





Recombinant Mousev Nuclear respiRatory factor 1 (Nrf1)

Product Code CSB-YP016076MO Relevance Transcription factor that activates the expression of the EIF2S1 (EIF2-alpha) gene. Links the transcriptional modulation of key metabolic genes to cellular growth and development. Implicated in the control of nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication Abbreviation Recombinant Mouse Nrf1 protein Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. Uniprot No. Q9WU00 Alias Alpha palindromic-binding protein Short name:Alpha-pal Product Type Recombinant Protein Immunogen Species Mus musculus (Mouse) Purity Greater than 90% as determined by SDS-PAGE. Sequence MEEHGVTQTEHMATIEAHAVAQQVQQVHVATYTEHSMLSADEDSPSSPEDTS YDDSDILNSTAADEVTAHLAAAGPVGMAAAAVATCKKKRKRPHYFESNPSIKS RQGTRLIKKLRATLDEYTHTRVQQQAIVLCISPSKPNPDYFKYFGAAPLENVKRY KSMILEDLESALAEHAPAPQEVNSELPPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWCKESCKPIWWPEDIPWANVRSDVRTEEQKORVSWTQALRTHVKNYKYKYKSMYQATVTHESQARTHUNGSPKYRPDYFKYFGAAPLENVKRY KSMILEDLESALAEHAPAPQEVNSELPPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWCKESCKPIWWPEDIPWANVRSDVRTEEQKORVSWTQALRTHVALAEAT LQGGGQIVLSGETAAAVGALTGVODANGLVQIPVSMYQTVYTSLAQGGMTQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ Research Area Epigenetics and Nuclear Signaling		
gene. Links the transcriptional modulation of key metabolic genes to cellular growth and development. Implicated in the control of nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication Abbreviation Recombinant Mouse Ntf1 protein Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. Uniprot No. Q9WU00 Alias Alpha palindromic-binding protein Short name:Alpha-pal Product Type Recombinant Protein Immunogen Species Mus musculus (Mouse) Purity Greater than 90% as determined by SDS-PAGE. Sequence MEEHGVTQTEHMATIEAHAVAQQVQQVHVATYTEHSMLSADEDSPSSPEDTS YDDSDILNSTAADEVTAHLAAAGPVGMAAAAVATGKKRKRPHVFESNPSIRK RQQTRLLRKLRATLDEYTTRVGQQAIVCISPSKPNPVFKVFGAAPLENVVRKY KSMILEDLESALAEHAPAPQEVNSELPPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWAMVRSDVRTEGKQRVSWTQALRTI VKNCYKQHGREDLLYAFEDQQTQTQATTTHSIAHLVPSQTVVQTFSNPDGTV SLIQVGTGATVATLADASELPTTVTVAQVNYSAVADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGMILSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGGMPQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ Research Area Epigenetics and Nuclear Signaling Source Yeast Target Names Nr1 Protein Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Product Code	CSB-YP016076MO
Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. Uniprot No. Q9WU00 Alias Alpha palindromic-binding protein Short name:Alpha-pal Product Type Recombinant Protein Immunogen Species Mus musculus (Mouse) Purity Greater than 90% as determined by SDS-PAGE. Sequence MEEHGVTQTEHMATIEAHAVAQQVQQVHVATYTEHSMLSADEDSPSSPEDTS YDDSDILNSTAADEVTAHLAAAGPVGMAAAAAVATGKKRKRPHVFESNPSIRK RQQTRLLRKLRATLDEYTTRVGQQAIVLCISPSKPNDVFKVFGANENDENVKKY KSMILEDLESALAEHAPAPQEVNSELPPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTI VKNCYKCHGREDLLYAFEDQQTQTQATTHSIAHLVPSQTVVQTFSNPDGTV SLIQVGTGATVATLADASELPTTVTVAQVNYSAVADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGNGPVQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ Research Area Epigenetics and Nuclear Signaling Source Yeast Target Names Nrf1 Protein Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Relevance	gene. Links the transcriptional modulation of key metabolic genes to cellular growth and development. Implicated in the control of nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and
storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. Uniprot No. Q9WU00 Alias Alpha palindromic-binding protein Short name:Alpha-pal Product Type Recombinant Protein Immunogen Species Mus musculus (Mouse) Purity Greater than 90% as determined by SDS-PAGE. Sequence MEEHGVTQTEHMATIEAHAVAQQVQQVHVATYTEHSMLSADEDSPSSPEDTS YDDSDILNSTAADEVTAHLAAAGPVGMAAAAVATGKKRKRPHVFESNPSIKR RQQTRLLRKLRATLDEYTTRVGQQAIVLCISPSKPNPVFKVFGAAPLENVVRKY KSMILEDLESALAEHAPAPOEVNSELPPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTI VKNCYKCHGREDLLYAFEDQQTQTQATTTHSIAHLVPSQTVVQTFSNPDGTV SLIQVGTGATVATLADASELPTTVTVAQVNYSAVADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGNGPVQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ Research Area Epigenetics and Nuclear Signaling Source Yeast Target Names Nrf1 Protein Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Abbreviation	Recombinant Mouse Nrf1 protein
Alias Alpha palindromic-binding protein Short name:Alpha-pal Product Type Recombinant Protein Immunogen Species Mus musculus (Mouse) Purity Greater than 90% as determined by SDS-PAGE. Sequence MEEHGVTQTEHMATIEAHAVAQQVQQVHVATYTEHSMLSADEDSPSSPEDTS YDDSDILNSTAADEVTAHLAAAGPVGMAAAAAVATGKKRKRPHVFESNPSIRK RQQTRLLRKLRATLDEYTTRVGQQAIVLCISPSKPNPVFKVFGAAPLENVVRKY KSMILEDLESALAEHAPAPQEVNSELPPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTI VKNCYKQHGREDLLYAFEDQQTQTQATTTHSIAHLVPSQTVVQTFSNPDGTV SLIQVGTGATVATLADASELPTTVTVAQVNYSAVADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGNGPVQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ Research Area Epigenetics and Nuclear Signaling Source Yeast Target Names Nrf1 Protein Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Storage	storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12
Product Type Recombinant Protein Immunogen Species Mus musculus (Mouse) Purity Greater than 90% as determined by SDS-PAGE. Sequence MEEHGVTQTEHMATIEAHAVAQQVQQVHVATYTEHSMLSADEDSPSSPEDTS YDDSDILNSTAADEVTAHLAAAGPVGMAAAAVATGKKRKRPHVFESNPSIRK RQQTRLLRKLRATLDEYTTRVGQQAIVLCISPSKPNPVFKVFGAAPLENVVRKY KSMILEDLESALAEHAPAPQEVNSELPPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTI VKNCYKQHGREDLLYAFEDQQTQTQATTTHSIAHLVPSQTVVQTFSNPDGTV SLIQVGTGATVATLADASELPTTVTVAQVNYSAVADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGNGPVQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ Research Area Epigenetics and Nuclear Signaling Source Yeast Target Names Nrf1 Protein Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Uniprot No.	Q9WU00
Immunogen Species Mus musculus (Mouse) Purity Greater than 90% as determined by SDS-PAGE. Sequence MEEHGVTQTEHMATIEAHAVAQQVQQVHVATYTEHSMLSADEDSPSSPEDTS YDDSDILNSTAADEVTAHLAAAGPVGMAAAAAVATGKKRKRPHVFESNPSIRK RQQTRLLRKLRATLDEYTTRVGQQAIVLCISPSKPNPVFKVFGAAPLENVVRKY KSMILEDLESALAEHAPAPQEVNSELPPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTI VKNCYKQHGREDLLYAFEDQQTQTTQATTTHSIAHLVPSQTVVQTFSNPDGTV SLIQVGTGATVATLADASELPTTVTVAQVNYSAVADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGNGPVQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ Research Area Epigenetics and Nuclear Signaling Source Yeast Target Names Nrf1 Protein Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Alias	Alpha palindromic-binding protein Short name:Alpha-pal
Purity Greater than 90% as determined by SDS-PAGE. Sequence MEEHGVTQTEHMATIEAHAVAQQVQQVHVATYTEHSMLSADEDSPSSPEDTS YDDSDILNSTAADEVTAHLAAAGPVGMAAAAAVATGKKRKPHVFESNPSIRK RQQTRLIRKLRALTDEYTTRVGQQAIVLCISPSKPNPVFKVFGAAPLENVVRKY KSMILEDLESALAEHAPAPQEVNSELPPLTIIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTI VKNCYKQHGREDLLYAFEDQQTQTQATTTHSIAHLVPSQTVVQTFSNPDGTV SLIQVGTGATVATLADASELPTTVTVAQVNYSAVADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGNGPVQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ Research Area Epigenetics and Nuclear Signaling Source Yeast Target Names Nrf1 Protein Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Product Type	Recombinant Protein
Sequence MEEHGVTQTEHMATIEAHAVAQQVQQVHVATYTEHSMLSADEDSPSSPEDTS YDDSDILNSTAADEVTAHLAAAGPVGMAAAAAVATGKKRKRPHVFESNPSIRK RQQTRLLRKLRATLDEYTTRVGQQAIVLCISPSKPNPVFKVFGAAPLENVVRKY KSMILEDLESALAEHAPAPQEVNSELPPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTI VKNCYKQHGREDLLYAFEDQQTQTQATTTHSIAHLVPSQTVVQTFSNPDGTV SLIQVGTGATVATLADASELPTTVTVAQVNYSAVADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGNGPVQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ Research Area Epigenetics and Nuclear Signaling Source Yeast Target Names Nrf1 Protein Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Immunogen Species	Mus musculus (Mouse)
YDDSDILNSTAADEVTAHLAAAGPVGMAAAAAVATGKKRKPHVFESNPSIRK RQQTRLLRKLRATLDEYTTRVGQQAIVLCISPSKPNPVFKVFGAAPLENVVRKY KSMILEDLESALAEHAPAPQEVNSELPPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTI VKNCYKQHGREDLLYAFEDQQTQTQATTTHSIAHLVPSQTVVQTFSNPDGTV SLIQVGTGATVATLADASELPTTVTVAQVNYSAVADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGNGPVQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ Research Area Epigenetics and Nuclear Signaling Source Yeast Target Names Nrf1 Protein Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Purity	Greater than 90% as determined by SDS-PAGE.
Source Yeast Target Names Nrf1 Protein Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Sequence	YDDSDILNSTAADEVTAHLAAAGPVGMAAAAAVATGKKRKRPHVFESNPSIRK RQQTRLLRKLRATLDEYTTRVGQQAIVLCISPSKPNPVFKVFGAAPLENVVRKY KSMILEDLESALAEHAPAPQEVNSELPPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTI VKNCYKQHGREDLLYAFEDQQTQTQATTTHSIAHLVPSQTVVQTFSNPDGTV SLIQVGTGATVATLADASELPTTVTVAQVNYSAVADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGNGPVQ
Target Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Research Area	Epigenetics and Nuclear Signaling
Protein Names Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Source	Yeast
Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal Expression Region 1-503aa Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Target Names	Nrf1
Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Protein Names	·
4°C for up to one week. Tag Info N-terminal 6xHis-tagged	Expression Region	1-503aa
	Notes	
Mol. Weight 55.6kDa	Tag Info	N-terminal 6xHis-tagged
	Mol. Weight	55.6kDa



CUSABIO TECHNOLOGY LLC



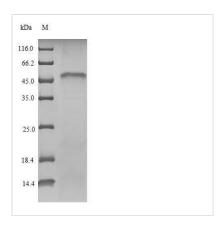




Protein Length

Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.