

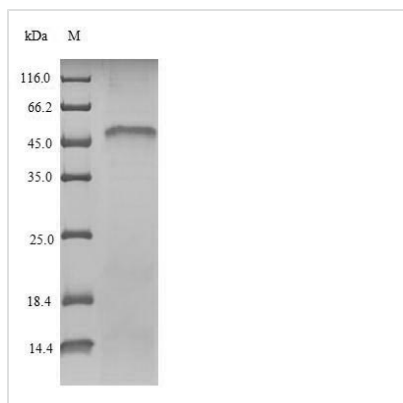


# Recombinant Mouse Nuclear respiRatory factor 1 (Nrf1)

<b>Product Code</b>	CSB-YP016076MO
<b>Relevance</b>	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
<b>Abbreviation</b>	Recombinant Mouse Nrf1 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9WU00
<b>Alias</b>	Alpha palindromic-binding protein Short name:Alpha-pal
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MEEHGVTQTEHMAIEAHAVAQQVQQVHVATYTEHSMLSADEDSPPSSPEDTS YDDSDILNSTAADEVTAHLAAAGPVGMAAAAATGKKRKRPHVFESNPSIRK RQQTRLLRKLRLATLDEYTTTRVGQQAIVLCISPSKPNPVFKVFGAAPLENNVRKY KSMILEDLESALAEHAPAPQEVNSELPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTI VKNCYKQHGREDLLYAFEDQQTQTQATTTHSIAHLVPSQTVVQTFSPDGT SLIQVGTGATVATLADASELPTTVTVAQVNYSADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGNGPVQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	Yeast
<b>Target Names</b>	Nrf1
<b>Protein Names</b>	Recommended name: Nuclear respiratory factor 1 Short name= NRF-1 Alternative name(s): Alpha palindromic-binding protein Short name= Alpha-pal
<b>Expression Region</b>	1-503aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	55.6kDa


**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**

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