

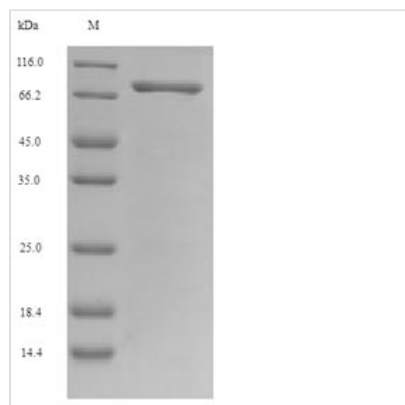


Recombinant Mouse Nuclear respiratory factor 1 (Nrf1)

Product Code	CSB-EP016076MO
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	Nuclear respiratory factor 1 Short name: NRF-1 Alternative name(s): 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	MEEHGVTQTEHMAIEAHAVAQQVQQVHVATYTEHSMLSADEDSPPSPEDTS YDDSDILNSTAADEVTAHLAAAGPVGMAAAAVATGKKRKRPHVFESNPSIRK RQQTRLLRKLRLATLDEYTTTRVGQQAI VLCISPSKPNPVFKVFGAAPLENNVRKY KSMILEDLESALAEHAPAPQEVNSELPLTIDGIPVSVDKMTQAQLRAFIPEMLK YSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTI VKNCYKQHGREDLLYAFEDQQTQTQATTTTHSIAHLVPSQTVVQTFSNPDGTV SLIQVGTGATVATLADASELPTTVTVAQVNYSADGEVEQNWATLQGGEMTI QTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEAT LQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQGNGPVQ VAMAPVTTRISDSAVTMDGQAVEVVTLEQ
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	Nrf1
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-SUMO-tagged
Mol. Weight	69.6kDa
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

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.