

Recombinant Mouse Nuclear respiRatory factor 1(Nrf1)

Catalog No: #AP76613

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Package Size: #AP76613-1 20ug #AP76613-2 100ug #AP76613-3 1mg

Description

Product Name	Recombinant Mouse Nuclear respiRatory factor 1(Nrf1)
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-503aaSequence Info:Full Length
Other Names	Alpha palindromic-binding protein Short name:Alpha-pal
Accession No.	Q9WU00
Uniprot	Q9WU00
GeneID	18181;
Calculated MW	69.6 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MEEHGVTQTEHMATIEAHAVAQQVQVHVATYTEHSMLSADESDPSSPEDTSYDDSDILNSTAADEVTAHLA AAGPVGMAAAAATGKKRKRPHVFESNPSIRKRQQRLLRKLRLATLDEYTRVGGQAIVLCISPSKPNPVFK VFGAAPLENVVRKYKSMILEDLESALAEHAPAPQEVNSELPLTIDGIPVSVDKMTQAQLRAFIPPEMLKYSTGR GKPGWGKESCKPIWWPEDIPWANVRSVDRTEEKQRVSWTQALRTIVKNCYKQHGRELLYAFEDQQTQT QATTTSHIAHLVPSQTVVQTFSNPDGTVSLIQVGTGATVATLADASELPTTVTAQVNYSAVADGEVEQNWAT LQGGEMTIQTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAEATLQGGGQIVLSGE TAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQNGPQVQVAMAPVTTTRISDSAVTMDGQAVEVVTLEQ
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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

References

"Coding sequence, chromosomal localization, and expression pattern of Nrf1: the mouse homolog of Drosophila erect wing."Schaefer L., Engman H., Miller J.B.Mamm. Genome 11:104-110(2000)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only