NRF1 Protein

PRODUCT OVERVIEW

Product Name	Nrf1, Protein
Full Product Name	Nrf1 protein
Product Gene Name	Nrf1 protein
Molecular Weight	55,674 Da
OMIM	600879
3D Structure	ModBase 3D Structure for Q16656
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Nrf1 protein	MBS8526847 is a protein targeting Nrf1.
Other Notes	Small volumes of Nrf1 protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Nrf1. It may not necessarily be applicable to this product.

NCBI GI #	93141039
NCBI GeneID	4899
NCBI Accession #	NP_001035199.1
UniProt Primary Accession #	Q16656
UniProt Secondary Accession #	Q15305; Q96AN2; A8K4C6; B4DDV6
UniProt Related Accession #	Q16656
GenBank Nucleotide #	NM_001040110.1
NCBI Official Full Name	nuclear respiratory factor 1 isoform 1
NCBI Official Synonym Full Names	nuclear respiratory factor 1
NCBI Official Symbol	NRF1
NCBI Official Synonym Symbols	ALPHA-PAL
UniProt Protein Name	Nuclear respiratory factor 1
UniProt Synonym Protein Names	Alpha palindromic-binding protein; Alpha-pal
Protein Family	Nuclear respiratory factor
UniProt Gene Name	NRF1
UniProt Synonym Gene Names	NRF-1; Alpha-pal
NCBI Protein Information	nuclear respiratory factor 1

NCBI Summary for Nrf1	This gene encodes a protein that homodimerizes and functions as a transcription factor which activates the expression of some key metabolic genes regulating cellular growth and nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication. The protein has also been associated with the regulation of neurite outgrowth. Alternative splicing results in multiple transcript variants. Confusion has occurred in bibliographic databases due to the shared symbol of NRF1 for this gene and for "nuclear factor (erythroid-derived 2)-like 1" which has an official symbol of NFE2L1. [provided by RefSeq, May 2014]
UniProt Comments for Nrf1	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.
Research Articles on Nrf1	**1.** Nrf1 is regulated by O-GlcNAc transferase.
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