

Product datasheet for **TP317852M**

NRF1 (NM_001040110) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nuclear respiratory factor 1 (NRF1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217852 representing NM_001040110 Red =Cloning site Green =Tags(s)

MEEHGVTQTEHMATIEAHAVAQQVQVHVATYTEHSMLSADEDSPSSPEDTSYDDSDILNSTAADEVTAH
LAAAGPVGMAAAAATGKKRKRPHVFESNPSIRKRQQTRLLRKLRLATLDEYTRVGGQQAIVLCISPSKP
NPVFKVFGAAPLENVVRKYKSMILEDLESALAEHAPAPQEVNSELPLTIDGIPVSVDKMTQAQLRAFIP
EMLKYSTGRGKPGWGKESCKPIWWPEDIPWANVRSVDRTEEQKQRVSWTQALRTIVKNCYKQHGREDLLY
AFEDQQTQTATATHSIAHLVPSQTVVQTFSPDGTSLIQVGTGATVATLADASELPTTVTVAQVNYSA
VADGEVEQNWATLQGGEMTIQTTQASEATQAVASLAEAAVAASQEMQQGATVTMALNSEAAAHAVATLAE
ATLQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQNGPQVQVAMAPVTTTRISDSAVT
MDGQAVEVVTLEQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	53.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_001035199](#)

Locus ID: 4899

UniProt ID: [Q16656](#), [A0A024R770](#)

RefSeq Size: 3523

Cytogenetics: 7q32.2

RefSeq ORF: 1509

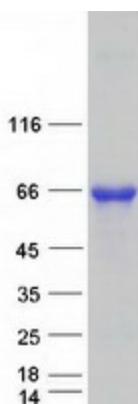
Synonyms: ALPHA-PAL

Summary: 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]

Protein Families: Transcription Factors

Protein Pathways: Huntington's disease

Product images:



Coomassie blue staining of purified NRF1 protein (Cat# [TP317852]). The protein was produced from HEK293T cells transfected with NRF1 cDNA clone (Cat# [RC217852]) using MegaTran 2.0 (Cat# [TT210002]).