

## Product datasheet for PH317852

### NRF1 (NM\_001040110) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NRF1 MS Standard C13 and N15-labeled recombinant protein (NP_001035199)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217852
Predicted MW:	53.4 kDa
Protein Sequence:	>RC217852 representing NM_001040110 Red=Cloning site Green=Tags(s)
	MEEHGVTQTEHMTIEAHAVAQQVQVHVATYTEHSMLSAEDSPSSPEDTSYDDSDILNSTAADEVTAH LAAAGPVGMAAAAVATGKKRKRPHVFESNPSIRKRQQTLLRKLRLATLDEYTTTRVGGQAIIVLCISPSKP NPVFKVFGAAPLENVVRKYKSMILEDLESALAEHAPAPQEVNSELPLTIDGIPVSVDKMTQAQLRAFIP EMLKYSTGRGKPGWGKESCKPIWWPEDIPWANVRSDVRTEEQKQRVSWTQALRTIVKNCYKQHGREDLLY AFEDQQTQTQATATHSIAHLVPSQTVVQTFSNPDGTVSLIQVGTGATVATLADASELPTTVTVAQVNYSA VADGEVEQNWATLQGGEMTIQTTQASEATQAVASLAEAAVAASQEMOQGATVTMALNSEAAAHAVATLAE ATLQGGGQIVLSGETAAAVGALTGVQDANGLVQIPVSMYQTVVTSLAQNGPQVQVAMAPVTTRISDSAVT MDGQAVEVVTLEQ
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001035199</u>
RefSeq Size:	3523
RefSeq ORF:	1509



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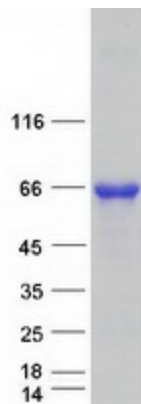
**Synonyms:** ALPHA-PAL  
**Locus ID:** 4899  
**UniProt ID:** [Q16656](#), [A0A024R770](#)  
**Cytogenetics:** 7q32.2

**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]).