

Recombinant Human NRF1, MYC/DDK-tagged

Cat. No. NRF1-2152H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRF1, transcript variant 2, fused with C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	53.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Usage	This product is for research and development use only. Not for use in human.
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	NRF1 nuclear respiratory factor 1 [Homo sapiens]
Official Symbol	NRF1
Synonyms	ALPHA-PAL; nuclear respiratory factor 1; alpha palindromic-binding protein
Gene ID	4899
mRNA Refseq	NM_001040110
Protein Refseq	NP_001035199
MIM	600879
UniProt ID	Q16656
Chromosome Location	7q32
Pathway	Energy Metabolism, organism-specific biosystem; Huntington's disease, organism-specific biosystem; Metabolism, organism-specific biosystem
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; protein binding

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