

Recombinant Human NFE2L2

Cat. No. NFE2L2-30414TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 71-170 of Human Nrf2 with a N terminal proprietary tag, Predicted MWt 36.63 kDa
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	NFE2 (MIM 601490), NFE2L1 (MIM 163260), and NFE2L2 comprise a family of human genes encoding basic leucine zipper (bZIP) transcription factors. They share highly conserved regions that are distinct from other bZIP families, such as JUN (MIM 165160) and FOS (MIM 164810), although remaining regions have diverged considerably from each other (Chan et al.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Widely expressed. Highest expression in adult muscle, kidney, lung, liver and in fetal muscle.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	FAQLQLDEETGEFLPIQPAQHIQSETSGSANYSQVAHIPKSDALYFDDCMQLLAQTF PFVDDNEVSSATFQSLVPDIPGHIESPVFIATNQAQSPETSVA
Sequence Similarities	Belongs to the bZIP family. CNC subfamily. Contains 1 bZIP domain.
GENE INFORMATION	
Gene Name	NFE2L2 nuclear factor (erythroid-derived 2)-like 2 [Homo sapiens]
Official Symbol	NFE2L2
Synonyms	NFE2L2; nuclear factor (erythroid-derived 2)-like 2; nuclear factor erythroid 2-related factor 2; NF E2 related factor 2; NRF2;
Gene ID	4780
mRNA Refseq	NM_001145412
Protein Refseq	NP_001138884
MIM	600492
Uniprot ID	Q16236
Chromosome Location	2q31
Pathway	Keap1-Nrf2 Pathway, organism-specific biosystem; Protein processing in

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endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;

Function

protein dimerization activity; protein domain specific binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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