

Recombinant Human NFE2L2 293 Cell Lysate

Cat. No. NFE2L2-3854HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for nuclear factor (erythroid-derived 2)-like 2 (NFE2L2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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; HEBP1; NFE2-related factor 2; NF-E2-related factor 2; nuclear factor erythroid-derived 2-like 2; nuclear factor, erythroid derived 2, like 2;
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 endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;
Function	DNA binding; protein dimerization activity; protein domain specific binding; sequence-

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specific DNA binding; sequence-specific DNA binding transcription factor activity;

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