

Recombinant Human NFE2L2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NFE2L2-4685H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NFE2L2 MS Standard C13 and N15-labeled recombinant protein (NP_006155) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a transcription factor which is a member of a small family of basic leucine zipper (bZIP) proteins. The encoded transcription factor regulates genes which contain antioxidant response elements (ARE) in their promoters; many of these genes encode proteins involved in response to injury and inflammation which includes the production of free radicals. Multiple transcript variants encoding different isoforms have been characterized for this gene.
Molecular Mass	67.8 kDa
AA Sequence	MMDLELPPPGLPSQQDMDLIDILWRQDIDLGVSREVFDFSQRRKEYELEKQKKLEKE RQEQLQKEQEKAFFAQLQLDEETGEFLPIQPAQHIQSETSGSANYSQVAHIPKSDAL YFDDCMQLLAQTFFVDDNEVSSATFQSLVPDIPGHIESPVFIATNQAQSPETSVAQ VAPVDLDGMQQDIEQVWEELLSIPELQCLNIENDKLVETTMVPSPEAKLTEVDNYHF YSSIPSMEKEVGNCSPHFLNAFEDSFSSILSTEDPNQLTVNSLNSDATVNTDFGDEF YSAFIAEPSISNSMPSPATLSHSLSELLNGPIDVSDLSLCKAFNQNHPESTAEFNDS SGISLNTSPSVASPEHSVESSSYGDTLLGLSDSEVEELDSAPGSVKQNGPKTPVHSS

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GDMVQPLSPSQGQSTHVHDAQCENTPEKELPVSPGHRKTPFTKDKHSSRLEAHLT
RDELRAKALHIPFPVEKIINLPVVDNFEMMSKEQFNEAQLALIRDIRRRGKNKVAAQN
CRKRKLENIVELEQDLHLKDEKEKLLKEKGENDKSLHLLKKQLSTLYLEVFSMLRDE
DGKPYSPSEYSLQQTRDGNVFLVPKSKKPDVKKNTRTRPLEQKLISEEDLAANDILD
YKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NFE2L2 nuclear factor, erythroid 2 like 2 [Homo sapiens (human)]

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_006164

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Protein Refseq	NP_006155
MIM	600492
UniProt ID	Q16236

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