Recombinant Mouse Nfe2 Protein, Myc/DDK-tagged

Cat. No. Nfe2-4391M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nuclear factor, erythroid derived 2 (Nfe2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Component of the NF-E2 complex essential for regulating erythroid and megakaryocytic maturation and differentiation. Binds to the hypersensitive site 2 (HS2) of the beta-globin control region (LCR). This subunit (NFE2) recognizes the TCAT/C sequence of the AP-1-like core palindrome present in a number of erythroid and megakaryocytic gene promoters. Requires MAFK or other small MAF proteins for binding to the NF-E2 motif. May play a role in all aspects of hemoglobin production from globin and heme synthesis to procurement of iron.
Molecular Mass	42 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Nfe2 nuclear factor, erythroid derived 2 [Mus musculus (house mouse)]
Official Symbol	Nfe2
Synonyms	NFE2; nuclear factor, erythroid derived 2; transcription factor NF-E2 45 kDa subunit; p45 NF-E2; leucine zipper protein NF-E2; nuclear factor, erythroid derived 2, 45 kDa; nuclear factor, erythroid-derived 2 45 kDa subunit; p45; 45kDa; NF-E2; p45NFE2; p45nf-e2
Gene ID	18022
mRNA Refseq	NM_008685
Protein Refseq	NP_032711
UniProt ID	Q07279

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