

## Product datasheet for TP302924

### Nuclear Factor Erythroid Derived 2 (NFE2) (NM\_006163) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nuclear factor (erythroid-derived 2), 45kDa (NFE2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202924 protein sequence Red=Cloning site Green=Tags(s)

MSPCPPQSRNRVIQLSTSELGEMELTWQEIMSITEIQGLNAPSEPSFEPQAPAPYLGPPPPPTTYCPCSI  
HPDSGFPLPPPPYELPASTSHVDPDPYSYGNMAIPVSKPLSLGLLSEPLQDPLALLDIGLPAGPPKPQE  
DPESDSGLSLNYSDAESLELEGTEAGRSEYVEMYPVEYPYSLMPNSLAHSNYTLPAETPLALEPSSG  
PVRAKPTARGEAGSRDERRALAMKIPFPTDKIVNLPVDDFNELLARYPLTESQLALVRDIRRRGKNKVAA  
QNCRKRKLETIVQLERELERTNERERLLRARGEADRTLEVMRQQLTELYRDIFQHLRDESGNSYSPEEY  
ALQQAADGTIFLVPRGKMEATD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	41.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_006154</a>
Locus ID:	4778



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UniProt ID: [Q16621](#), [A8K3E0](#)

RefSeq Size: 1697

Cytogenetics: 12q13.13

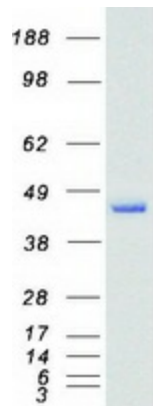
RefSeq ORF: 1119

Synonyms: NF-E2; p45

**Summary:** 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. [UniProtKB/Swiss-Prot Function]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified NFE2 protein (Cat# TP302924). The protein was produced from HEK293T cells transfected with NFE2 cDNA clone (Cat# [RC202924]) using MegaTran 2.0 (Cat# [TT210002]).