

## Product datasheet for **TP761189**

### Nuclear Factor Erythroid Derived 2 (NFE2) (NM\_001136023) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human nuclear factor (erythroid-derived 2), 45kDa (NFE2), transcript variant 2, full length, with N-terminal HIS tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length NFE2
Tag:	N-His
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:	50 mM Tris-HCl, pH 8.0, 8 M urea
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_001129495</a>
Locus ID:	4778
UniProt ID:	<a href="#">Q16621</a> , <a href="#">A8K3E0</a>
RefSeq Size:	1698
Cytogenetics:	12q13.13
RefSeq ORF:	1119
Synonyms:	NF-E2; p45



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**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:**