

Recombinant Human NFE4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NFE4-1532H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NFE4 MS Standard C13 and N15-labeled recombinant protein (NP_001078855) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The erythroid-specific protein encoded by this gene, and the ubiquitous transcription factor CP2, form the stage selector protein (SSP) complex, which is involved in preferential expression of the gamma-globin genes in fetal erythroid cells. Alternate use of an in-frame upstream non-AUG (CUG) translation initiation codon, and a downstream AUG codon, results in two isoforms. While the long isoform (22 kDa) acts as an activator, the short isoform (14 kDa) has been shown to repress gamma-globin gene expression. This gene is located in an intron of the FBXL13 gene on the opposite strand.
Molecular Mass	20.33 kDa
AA Sequence	LDPVPRRSAAAIALPRVVCWHTLKSLNGYKNLSSGAETREGLRSSSPVDLPLRPRK QATAAGQRKLLSLQLLLCACTSVTDLTWGPAGHGATAPHRSLLAHLHLVPASSAA MKATGPHNAQTQVNPRGHAPSAEDPTGSWTVSGPCKDHPHPFLSQSNPPTRISSA LPLKTDSALEQTPQQLPSLHLSQGTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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.

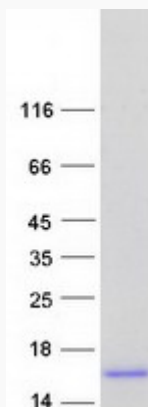
GENE INFORMATION

Gene Name	NFE4 nuclear factor, erythroid 4 [Homo sapiens (human)]
Official Symbol	NFE4
Synonyms	NFE4; nuclear factor, erythroid 4; NF-E4; fetal globin activator NF-E4; gamma-globin gene activator; transcription factor NF-E4
Gene ID	58160
mRNA Refseq	NM_001085386
Protein Refseq	NP_001078855
MIM	612133
UniProt ID	Q86UQ8

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA