

Product datasheet for **TP321486M**

MAFG (NM_002359) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian) (MAFG), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221486 representing NM_002359 Red =Cloning site Green =Tags(s)

MTTPNKGKALKVKREPGENGTSLTDEELVTMSVRELNQHLRGLSKEEIVQLKQRRRTLKNRGYAASCRV
KRVTQKEELEKQKAELQQEVEKLAENASMKLELDALRSKYEALQTFARTVARSPVAPARGPLAAGLGPL
VPGKVAATSVITIVKSKTDARS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	17.7 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:	<u>NP_002350</u>
Locus ID:	4097
UniProt ID:	<u>O15525</u> , <u>A0A024R8X1</u>



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RefSeq Size: 5043

Cytogenetics: 17q25.3

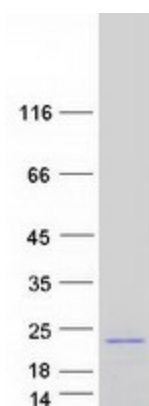
RefSeq ORF: 486

Synonyms: hMAF

Summary: Globin gene expression is regulated through nuclear factor erythroid-2 (NFE2) elements located in enhancer-like locus control regions positioned many kb upstream of alpha- and beta-gene clusters (summarized by Blank et al., 1997 [PubMed 9166829]). NFE2 DNA-binding activity consists of a heterodimer containing a ubiquitous small Maf protein (MafF, MIM 604877; MafG; or MafK, MIM 600197) and the tissue-restricted protein p45 NFE2 (MIM 601490). Both subunits are members of the activator protein-1-like superfamily of basic leucine zipper (bZIP) proteins (see MIM 165160).[supplied by OMIM, Mar 2010]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified MAFG protein (Cat# [TP321486]). The protein was produced from HEK293T cells transfected with MAFG cDNA clone (Cat# [RC221486]) using MegaTran 2.0 (Cat# [TT210002]).