

## Product datasheet for **AR50093PU-N**

### MAFG (1-162, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	MAFG (1-162, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MTPPNKGNKA LKVKREPGEN GTSLTDEELV TMSVRELNQH LRGLSKEEIV QLKQRRRTLK NRGYAASCRV KRVTQKEELE KQKAELQQEV EKLASENASM KLELDALRSK YEALQTFART VARSPVAPAR GPLAAGLGPL VPGKVAATSV ITIVKSKTDA RS
Tag:	His-tag
Predicted MW:	20.027 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MAFG protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_002350</a>
Locus ID:	4097
UniProt ID:	<a href="#">O15525</a> , <a href="#">A0A024R8X1</a>
Cytogenetics:	17q25.3
Synonyms:	hMAF



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**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:**