

Recombinant Human V-Maf Musculoaponeurotic Fibrosarcoma Oncogene Homolog G (Avian), His-tagged

Cat. No. MAFG-4731H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MAFG protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	Human
Description	MAFG, also known as transcription factor MafG, belongs to the Maf family. Since they lack a putative transactivation domain, the small Mafs behave as transcriptional repressors when they dimerize among themselves. However, they seem to serve as transcriptional activators by dimerizing with other (usually larger) basic-zipper proteins and recruiting them to specific DNA-binding sites. Small Maf proteins heterodimerize with Fos and may act as competitive repressors of the NF-E2 transcription factor.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT
Molecular Weight	20.0 kDa (182aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.25 mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSHMTTPNKGKNA LKVKREPGEN GTSLTDEELV

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acids	TMSVRELNQH LRGLSKEEIV QLKQRRRTLK NRGYAASCRV KRVTQKEELE KQKAELQQEV EKLAENASM KLELDALRSK YEALQTFART VARSPVAPAR GPLAAGLGPL VPGKVAATSV ITIVKSKTDA RS
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Pathways	Factors involved in megakaryocyte development and platelet production; Hemostasis
GENE INFORMATION	
Gene Name	MAFG v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian) [Homo sapiens]
Official Symbol	MAFG
Synonyms	MAFG; hMAF; MGC13090; MGC20149; transcription factor MafG; basic leucine zipper transcription factor MafG; v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)
Gene ID	4097
mRNA Refseq	NM_032711
Protein Refseq	NP_116100
MIM	602020
UniProt ID	O15525
Chromosome	17q25.3

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Location**Function**

sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity

**PDB rendering based
on 1k1v.**

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