

Product datasheet for **TP501268**

Mafg (BC002092) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse v-maf musculoaponeurotic fibrosarcoma oncogene family, protein G (avian) (cDNA clone MGC:6343 IMAGE:3488374),, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201268 protein sequence Red =Cloning site Green =Tags(s)
	 MTTPNKGNKALKVKREPGENGTSLTDEELVTMSVRELNQHRLRGLSKEEIIQLKQRRRTLKNRGYAASCRV KRVTKQEELEKQKAELQQEVEKLAENASMKLELDALRSKYEALQNFARTVARSPVAPARGPLAAGLGPL VPGKVAATSVITIVKSKTDARS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	17.9 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	17134
UniProt ID:	O54790
RefSeq Size:	1357
Cytogenetics:	11 84.35 cM



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RefSeq ORF: 486

Synonyms: AA545192; C630022N07Rik

Summary: Since they lack a putative transactivation domain, the small Mafs behave as transcriptional repressors when they dimerize among themselves (PubMed:16738329, PubMed:9679061). However, they seem to serve as transcriptional activators by dimerizing with other (usually larger) basic-zipper proteins, such as NFE2, NFE2L1 and NFE2L2, and recruiting them to specific DNA-binding sites (PubMed:16738329, PubMed:9679061). Small Maf proteins heterodimerize with Fos and may act as competitive repressors of the NFE2L2 transcription factor. Transcription factor, component of erythroid-specific transcription factor NFE2L2. Activates globin gene expression when associated with NFE2L2 (By similarity). May be involved in signal transduction of extracellular H(+) (By similarity).[UniProtKB/Swiss-Prot Function]