Recombinant Mouse Mafg Protein, Myc/DDK-tagged

Cat. No. Mafg-3900M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length 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.
Species	Mouse
Source	HEK293
Description	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, such as NFE2, NFE2L1 and NFE2L2, and recruiting them to specific DNA-binding sites. 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. May be involved in signal transduction of extracellular H+.
Molecular Mass	17.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Mafg v-maf musculoaponeurotic fibrosarcoma oncogene family, protein G (avian) [Mus musculus (house mouse)]
Official Symbol	Mafg
Synonyms	Mafg; v-maf musculoaponeurotic fibrosarcoma oncogene family, protein G (avian); AA545192; C630022N07Rik; transcription factor MafG; V-maf musculoaponeurotic fibrosarcoma oncogene homolog G; avian musculoaponeurotic fibrosarcoma virus (v-maf) AS42 oncogene, protein G
Gene ID	17134
mRNA Refseq	NM_010756
Protein Refseq	NP_034886
UniProt ID	O54790

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