Recombinant human MafG protein

Catalog Number: ATGP1268

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-162aa

UniProt No.
O15525

NCBI Accession No.
NP_116100.2

Alternative Names
Transcription factor MafG, hMAF, MAFG, V-maf musculoaponeurotic fibrosarcoma oncogene homolog G

PRODUCT SPECIFICATION

Molecular Weight
20 kDa (182aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M NaCl

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human MAFG protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

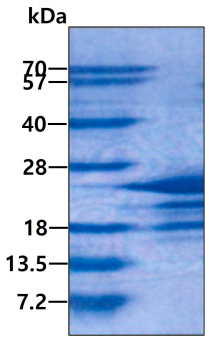
<MGSSHHHHHH SSGLVPRGSH> MTTPNKGNKA LKVKREPGEN GTSLTDEELV TMSVRELNQH LRGLSKEEIV QLKQRRRTLK NRGYAASCRV KRVTQKEELE KQKAELQQEV EKLASENASM KLELDALRSK YEALQTFART VARSPVAPAR GPLAAGLGPL VPGKVAATSV ITIVKSKTDA RS

General References

Hung H.-L., et al. (2001) J. Biol. Chem. 276:10715-10721
Blank V., et al. (1997) Genomics. 44:147-149

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain