

MAFG, 1-162aa, Human, His tag, E.coli

Cat.NO.: TP02878

3th Edition

Synonyms:Transcription factor MafG, hMAF

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.

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

Sequences:

MGSSHHHHHSSGLVPRGSHMTTPNKGKALKVKREPGENGTSLTDEELVTMSVRELNQHLRGLSKEEIVQLKQ
RRRTLKNRGYAASCRVKRVTQKEELEKQKAELQQEVEKLAENASMKLELDALRSKYEALQTFARTVARSPVAPA
RGPLAAGLGPLVPGKVAATSVITIVKSKTDARS

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.