

MAFK, 1-156aa Human, His tag, E.coli

Cat.NO.: TP02879

3th Edition

Synonyms:Transcription factor MafK, NFE2U, P18

Description:MAFK belongs to the bZIP family and Maf subfamily. Members of the Maf family of basic region/leucine zipper (bZIP) transcription factors affect transcription in either a positive or negative fashion, depending on their particular protein partner and the context of the target promoter. Small Mafs behave as transcriptional repressors when they dimerize among themselves. However, they seem to serve as transcriptional activators by dimerizing with other 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 MAFK protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight:19.7 kDa (176aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMTTNPKNKALKVKKEAGENAPVLSDDDELVSMSVRELNQHLRGLTKKEEVTRLKQ
RRRTLKNRGYAASCRIKRVTKKEELERQRVELQQEVEKLARENSSMRLELDALRSKYEALQTFARTVARGPVAPSK
VATTSVITIVKSTELSSSTSVPFSAAS

Purity:> 95% by HPLC

Concentration:0.5 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.