
Product Data Sheet

Product Name: MAFK Human
 Cat. No.: GP23865
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NFE2U; P18; Erythroid transcription factor NF-E2 p18 subunit; MAFK; Transcription factor MafK.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MTTNPKPNKA LKVKEAGEN APVLSDELV SMSVRELNQH LRGLTKEEVT RLKQRRRTLK NRGYAASCRI KRVTQKEELE RQRVELQQEV EKLARENSSM RLELDALRSK YEALQTFART VARGPVAPSK VATTSVITIV KSTELSSTSV PFSAAS.		
Formulation	MAFK protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

MAFK is a member of the bZIP family and Maf subfamily. Members from Maf family of basic region/leucine zipper (bZIP) transcription factors influence transcription in a positive or negative way, depending on their protein associate and the context of the target promoter. Small Mafs act as transcriptional repressors when they dimerize among themselves. Yet, they seem to function as transcriptional activators by dimerizing with other basic-zipper proteins and employing them to specific DNA-binding sites.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MAFK Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 176 amino acids (1-156 a.a.) and having a molecular mass of 19.7kDa. MAFK is fused to a 20 amino acid His-tag at N-terminus & purified by

Caution: Product has not been fully validated for medical applications. For research use only.

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proprietary chromatographic techniques.

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