
Product Data Sheet

Product Name: MAFG Human
 Cat. No.: GP23864
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transcription factor MafG; V-maf musculoaponeurotic fibrosarcoma oncogene homolog G; hMAF; MAFG; hMAF.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MTPNKG NKA LKVKREPGEN GTSLTDEELV TMSVRELNQH LRGLSKEEIV QLKQRRRTLK NRGYAASCRV KRVTQKEELE KQKAELQQEV EKLAENASM KLELDALRSK YEALQTFART VARSPVAPAR GPLAAGLGPL VPGKVAATSV ITIVKSKTDA RS.		
Formulation	The MAFG solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.15M NaCl and 1mM DTT.		

Introduction

Transcription factor MafG (MAFG) is a member of the Maf family. Given that they lack a putative transactivation domain, the small Mafs act as transcriptional repressors when they dimerize amongst themselves. Nevertheless, they seem to function as transcriptional activators by dimerizing with other (generally larger) basic-zipper proteins and engaging them to specific DNA-binding sites. Small Maf proteins heterodimerize with Fos and may function as competitive repressors of the NF-E2 transcription factor.

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

MAFG Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 182 amino acids (1-162) and having a molecular mass of 20kDa. MAFG

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

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is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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