
Product Data Sheet

Product Name: MAFF Human
 Cat. No.: GP23863
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	hMafF; U-MAF; Transcription factor MafF; U-Maf; V-maf musculoaponeurotic fibrosarcoma oncogene homolog F; MAFF.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSVDPLS SKALKIKREL SENTPHLSDE ALMGLSVREL NRHLRGLSAE EVTRLKQRRR TLKNRGYAAS CRVKRVCQKE ELQKQKSELE REVDKLAREN AAMRLELDAL RGKCEALQGF ARSVAAARGP ATLVAPASVI TIVKSTPGSG SGPAHGPDPA HGPASCS.		
Formulation	The MAFF solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.		

Introduction

V-maf Musculoaponeurotic Fibrosarcoma Oncogene F (MAFF) which is expressed in the term myometrium and kidney is a basic leucine zipper (bZIP) transcription factor which lacks a transactivation domain. MAFF is known to bind the US-2 DNA element and probably heterodimerizes along with other leucine zipper-containing proteins to enhance expression of the OTR gene throughout pregnancy period. MAFF also forms homodimers, and since it lacks a transactivation domain, the homodimer operates as a repressor of transcription.

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

MAFF Human Recombinant produced in E. coli is a single polypeptide chain containing

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187 amino acids (1-164) and having a molecular mass of 20.1kDa. MAFF is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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