
Product Data Sheet

Product Name: MFAP2 Human
 Cat. No.: GP23918
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Microfibrillar-associated protein 2; MFAP-2; Microfibril-associated glycoprotein 1; MAGP; MAGP-1; MFAP2; MAGP1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMQGQYDL DLPFPDPHV QYTHYSDQID NPDYYDYQEV TPRPSEEQFQ FQSQQVQQE VIPAPTPEPG NAELEPTEPG PLDCREEQYP CTRLYSIHRP CKQCLNEVCF YSLRRVYVIN KEICVRTVCA HEELLRADLC RDKFSKCGVM ASSGLCQSVAS ASCARSCGSC.		
Formulation	MFAP2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 20% glycerol.		

Introduction

Microfibrillar-associated protein 2 (MFAP2) is an O-glycosylated protein discharged to the extracellular space and the extracellular matrix. MFAP2 connects with biglycan and elastin in a ternary complex. MFAP2 plays a key role in the support and distensibility of the juxtacanalicular region of these collector channels. MFAP2 inhibits LTB-1 binding to fibrillin-1, promotes the phosphorylation of Smad2 thus mediating the consequent extracellular deposition of latent TGFbeta.

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

MFAP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 190 amino acids (18-183 a.a) and having a molecular mass of 21.5kDa. MFAP2 is fused to a 24 amino acid His-tag at N-terminus & purified by

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proprietary chromatographic techniques.

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