

Recombinant Human microfibrillar-associated protein 2, His-tagged

Cat. No. MFAP2-342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MFAP2, 18-183aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	18-183 a.a.
Description	Microfibrillar-associated protein 2, also known as MFAP2, is an O-glycosylated protein secreted to the extracellular space and the extracellular matrix. MFAP2 associates with biglycan and elastin in a ternary complex. It is shown to play a significant role in the support and distensibility of the juxtacanalicular region of these collector channels. It is also reported to inhibit LTB-1 binding to fibrillin-1, stimulate the phosphorylation of Smad2, and thereby mediate the subsequent extracellular deposition of latent TGFbeta. Recombinant human MFAP2, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 20% glycerol
Molecular Mass	21.5 kDa (190aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMQGQYDL DPLPPFPDHV QYTHYSDQID NPDYYDYQEV TPRPSEEQFQ FQSQQQVQQE VIPAPTPEPG NAELEPTEPG PLDCREEQYP CTRLYSIHRP CKQCLNEVCF YSLRRVYVIN KEICVRTVCA

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	HEELLRADLC RDKFSKCGVM ASSGLCQSVASCARSCGSC
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	MFAP2 microfibrillar-associated protein 2 [Homo sapiens]
Official Symbol	MFAP2
Synonyms	MFAP2; microfibrillar-associated protein 2; MAGP; MAGP 1; microfibril-associated glycoprotein 1; MAGP1; MAGP-1; FLJ50901;
Gene ID	4237
mRNA Refseq	NM_001135247
Protein Refseq	NP_001128719
MIM	156790
UniProt ID	P55001
Chromosome Location	1p36.1-p35
Pathway	Notch signaling pathway, organism-specific biosystem;

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Function

fibrinogen binding; fibronectin binding;

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