

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

HEELLRADLC RDKFSKCGVM ASSGLCQSV A ASCARSCGSC

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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