

## MFAP2 Human

**Description:**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 proprietary chromatographic techniques.

**Catalog #:**PRPS-1272

For research use only.

**Synonyms:**Microfibrillar-associated protein 2, MFAP-2, Microfibril-associated glycoprotein 1, MAGP, MAGP-1, MFAP2, MAGP1.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMQGQYDL DLPFPDPDHV  
QYTHYSQDID NPDYDYQEV TPRPSEEQFQ FQSQQVQVQE VIPAPTPEPG NAELEPTEPG  
PLDCREEQYP CTRLYSIHRP CKQCLNEVCF YSLRRVYVIN KEICVRTVCA HEELLRADLC  
RDKFSKCGVM ASSGLCQSVAS ASCARSCGSC.

**Purity:**Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

MFAP2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 20% glycerol.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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