# Recombinant human MAGP-1/MFAP2 protein

Catalog Number: ATGP1781

## PRODUCT INFORMATION

**Expression system**
E.coli

**Domain**
18-183aa

**UniProt No.**
P55001

**NCBI Accession No.**
NP_002394

**Alternative Names**
MAGP, MAGP-1, Microfibrillar-associated protein 2

## PRODUCT SPECIFICATION

**Molecular Weight**
21.5 kDa (190aa)

**Concentration**
0.5mg/ml (determined by Bradford assay)

**Formulation**
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1M urea, 20% glycerol

**Purity**
> 85% by SDS-PAGE

**Tag**
His-Tag

**Application**
SDS-PAGE, Denatured

**Storage Condition**
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**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.

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**Amino acid Sequence**

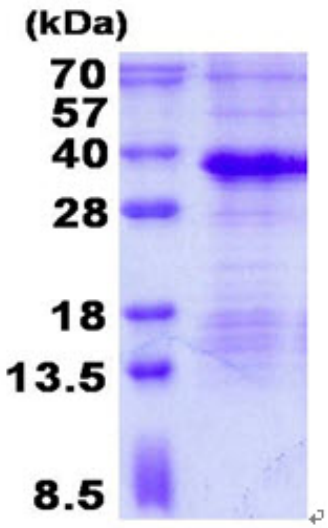
MGSSHHHHHH SSGLVPRGSH MGSMQGQYDL DPLPPFPDHV QYTHYSDQID NPDYYDYQEV TPRPSEEQFQ FQSQQQVQQE VIPAPTPEPG NAELEPTEPG PLDCREEQYP CTRLYSIHRP CKQCLNEVCF YSLRRVYVIN KEICVRTVCA HEELLRADLC RDKFSKCGVM ASSGLCQSVA ASCARSCGSC

**General References**

Segade F., et al. (2002) J Biol Chem. 277:11050-11057.
Penner A S., et al. (2002) J Biol Chem. 277:35044-35049.

## DATA

**SDS-PAGE**




15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.