

# Recombinant human MAGP-1/MFAP2 protein

Catalog Number: ATGP1781

## PRODUCT INFORMATION

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### 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

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### 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

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### 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  
FQSQQVQQE VIPAPTPEPG NAELEPTEPG PLDCREEQYP CTRLYSIHRP CKQCLNEVCF YSLRRVYVIN KEICVRTVCA  
HEELLRADLC RDKFSKCGVM ASSGLCQSVAS ASCARSCGSC

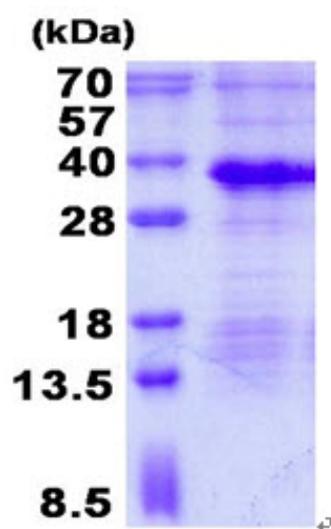
## General References

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



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

15% SDS-PAGE (3ug)