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_002394.1

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

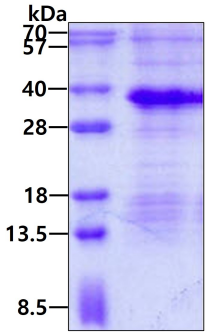
<MGSSHHHHHH SSGLVPRGSH MGSM>QGQYDL DPLPPFPDHV QYTHYSDQID NPDYYDYQEV TPRPSEEQFQ FQSQQQVQQE VIPAPTPEPG NAELEPTEPG PLDCREEQYP CTRLYSIHRP CKQCLNEVCF YSLRRVYVIN KEICVRTVCA HEELLRADLC RDKFSKCGVM ASSGLCQSVA ASCARSCGSC

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



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