

Recombinant human MFAP4 protein

Catalog Number: ATGP3476

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-255aa

UniProt No.

P55083

NCBI Accession No.

NP_002395

Alternative Names

Microfibril-associated glycoprotein 4 isoform 2, MFAP4

PRODUCT SPECIFICATION

Molecular Weight

27.5 kDa (243aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

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

MFAP4, also as known as microfibrillar-associated protein 4, belongs to Fibrinogen protein family and contains 1 fibrinogen C-terminal domain. This protein has similarity to a bovine microfibril-associated protein. The protein has binding specificities for both collagen and carbohydrate. It is thought to be an extracellular matrix protein which is involved in cell adhesion or intercellular interactions. Deletion of MFAP4 was found in 30 of 31 patients

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with Smith-Magenis syndrome (SMS), a clinically recognizable multiple congenital anomaly/mental retardation syndrome. Recombinant human MFAP4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

<ADL>VSGIRGD ALERFCLQQP LDCDDIYAQG YQSDGVYLIY PSGPSVPPPV FCDMTTEGGK WTVFQKRFNG
SVSFFRGWND YKLGFGRADG EYWLGLQNMH LLTLKQKYEL RVDLEDFENN TAYAKYADFS ISPNAVSAEE DGYTLFVAGF
EDGGAGDLSL YHSGQKFSTF DRDQDLFVQN CAALSSGAFW FRSCHFANLN GFYLGGSLS YANGINWAQW KGFYYSLKRT
EMKIRRA<HHH HHH>

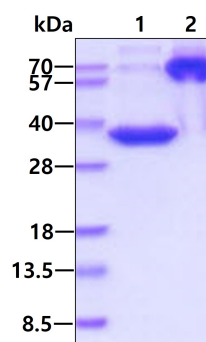
General References

Lausen M. et al., (1999) J Biol Chem. 274:32234-32240.

Zhao Z. et al., (1995) Mol. Genet. 4: 589-597.

DATA

SDS-PAGE



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

Lane1 : Reduced form

Lane2 : Non-Reduced form