Recombinant human MFAP4 protein

Catalog Number: ATGP1707

PRODUCT INFORMATION

Expression system
E.coli

Domain
22-255aa

UniProt No.
P55083

NCBI Accession No.
NP_002395

Alternative Names
microfibrillar-associated protein 4, microfibrillar-associated protein 4, Microfibril associated glycoprotein 4, Microfibril-associated glycoprotein 4

PRODUCT SPECIFICATION

Molecular Weight
29.2 kDa (259aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 90% 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
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 with Smith-Magenis syndrome (SMS), a clinically recognizable multiple congenital anomaly/mental retardation

Recombinant human MFAP4 protein

Catalog Number: ATGP1707

syndrome. Recombinant human MFAP4 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

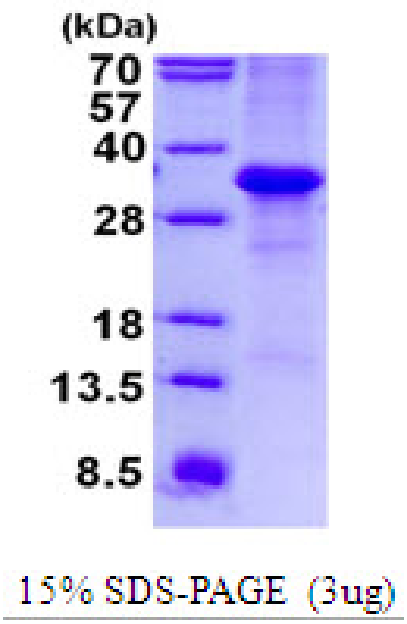
MGSSHHHHHH SSGLVPRGSH MGSHMVSGIR GDALERFCLQ QPLDCDDIYA QGYQSDGVYL IYPSGPSVPV PVFCDMTTEG GKWTVFQKRF NGSVSFFRGW NDYKLGFGRA DGEYWLGLQN MHLLTLKQKY ELRVDLEDFE NNTAYAKYAD FSISPNAVSA EEDGYTLFVA GFEDGGAGDS LSYHSGQKFS TFDRDQDLFV QNCAALSSGA FWFRSCHFAN LNGFYLGGSH LSYANGINWA QWKGFYYSLK RTEMKIRRA

General References

Lausen M, et al. (1999) J Biol Chem. 274(45):32234-40.
Zhao, Z., et al. (1995) Mol. Genet. 4: 589-597.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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