

Recombinant human FBLIM1 protein

Catalog Number: ATGP2113

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-373aa

UniProt No.

Q8WUP2

NCBI Accession No.

NP_060026

Alternative Names

Filamin binding LIM protein 1, CAL, FBLP-1, FBLP1, RP11-169K16.5

PRODUCT SPECIFICATION

Molecular Weight

43.1 kDa (396aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 85% by SDS-PAGE

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

Filamin binding LIM protein 1, also known as FBLIM1, serves as an anchoring site for cell-ECM adhesion proteins and filamin-containing actin filaments. This protein is implicated in cell shape modulation (spreading) and motility. It may participate in the regulation of filamin-mediated cross-linking and stabilization of actin filaments. FBLIM1 promotes activation of integrins and regulates integrin-mediated cell-cell adhesion. Recombinant human FBLIM1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMASKPEK RVASSVFITL APPRRDVAVA EEVRQAVCEA RRGRPWEAPA PMKTPEAGLA
GRPSPWTTTPG RAAATVPAAP MQLFNGGCPP PPPVLDGEDV LPDLDLLPPP PPPPPVLLPS EEEAPAPMGA SLIADLEQLH
LSPPPPPPQA PAEGPSVQPG PLRPMEEELP PPPAEPVEKG ASTDICAFCF KTVSPRELAV EAMKRQYHAQ CFTCRTRRRQ
LAGQSFYQKD GRPLCEPCYQ DTLERCGKCG EVVRDHIIRA LGQAFHPSCF TCVTARCIG DESFALGSQN EYCLDDFYR
KFAPVCSICE NPIIPRDGKD AFKIECMGRN FHENCYRCED CRILLSVEPT DQGCYPLNNH LFCKPCHVKR SAAGCC

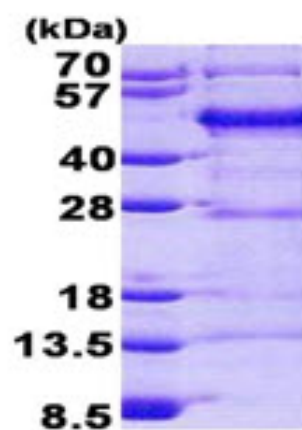
General References

Tu Y., et al. (2003) Cell. 113:37-47

Takafuta T., et al. (2003) J. Biol. Chem. 278:12175-12181

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)