

## Recombinant Human FBLIM1, His-tagged

**Cat. No.** FBLIM1-7602H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human FBLIM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-373aa                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 43.1 kDa (396aa)                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MGSSHHHHH SSGLVPRGSH MGSMASKPEK RVASSVFITL APPRRDVAVA<br>EEVRQAVCEA RRGRPWEAPA PMKTPEAGLA GRPSPWTTTPG RAAATVPAAP<br>MQLFNGGCPP PPPVLDGEDV LPDLDLLPPP PPPPPVLLPS EEEAPAPMGA<br>SLIADLEQLH LSPPPPPPQA PAEGPSVQPG PLRPMEEELP PPPAEPVEKG                                                                                                                                                                                                           |

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ASTDICAFCF KTVSPRELAV EAMKRQYHAQ CFTCRTCRRQ LAGQSFYQKD  
GRPLCEPCYQ DTLERCGKCG EVVRDHIIRA LGQAFHPSCF TCVTCARCIG  
DESFALGSQN EVYCLDDFYR KFAPVCSICE NPIIPRDGKD AFKIECMGRN  
FHENCYRCED CRILLSVEPT DQGCYPLNNH LFCKPCHVKR SAAGCC

**Purity** >85% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.25 mg/ml

## GENE INFORMATION

**Gene Name** [FBLIM1 filamin binding LIM protein 1 \[ Homo sapiens \]](#)

**Official Symbol** FBLIM1

**Synonyms** FBLIM1; filamin binding LIM protein 1; filamin-binding LIM protein 1; CAL; FBLP 1; migfilin; CSX-associated LIM; MIG2-interacting protein; filamin-binding LIM protein-1; mitogen-inducible 2 interacting protein; mitogen-inducible 2-interacting protein; FBLP1; FBLP-1; RP11-169K16.5; DKFZp434G171;

**Gene ID** [54751](#)

**mRNA Refseq** [NM\\_017556](#)

**Protein Refseq** [NP\\_060026](#)

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MIM</b>                 | 607747                                                                                                                                                                              |
| <b>UniProt ID</b>          | Q8WUP2                                                                                                                                                                              |
| <b>Chromosome Location</b> | 1p36.13                                                                                                                                                                             |
| <b>Pathway</b>             | Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-extracellular matrix interactions, organism-specific biosystem; |
| <b>Function</b>            | metal ion binding; zinc ion binding;                                                                                                                                                |

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