

# Recombinant Human FBLIM1, GST-tagged

**Cat. No.** FBLIM1-12763H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FBLIM1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-373a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a protein with an N-terminal filamin-binding domain, a central proline-rich domain, and, multiple C-terminal LIM domains. This protein localizes at cell junctions and may link cell adhesion structures to the actin cytoskeleton. This protein may be involved in the assembly and stabilization of actin-filaments and likely plays a role in modulating cell adhesion, cell morphology and cell motility. This protein also localizes to the nucleus and may affect cardiomyocyte differentiation after binding with the CSX/NKX2-5 transcription factor. Alternative splicing results in multiple transcript variants encoding different isoforms. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## GENE INFORMATION

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | FBLIM1 filamin binding LIM protein 1 [ Homo sapiens ]                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b>     | FBLIM1                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>            | 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; |
| <b>Gene ID</b>             | 54751                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>         | NM_001024215                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | NP_001019386                                                                                                                                                                                                                                                                                            |
| <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;                                                                                                                                                                                                                                                                    |