

**FBLIM1, 1-373aa, Human, His tag, E.coli**

**Cat.NO.: TP02095**

3th Edition

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

**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.

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

**Molecular Weight:**43.1 kDa (396aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMASKPEKRVASSVFITLAPPRRDVAVAEEVRQAVCEARRGRPWEAPAPMK  
TPEAGLAGRSPWTTTPGAAAATVPAAPMQLFNGGCPPIPPVLDGEDVLPDLLPPPPPPPPVLLPSEEEAPAPM  
GASLIADLEQLHLSPPPPPPQAPAEGPSVQPGPLRPMEEELPPPPAEPVEKGASTDICAFCHKTVSPRELAVEAMK  
RQYHAQCFTCRTRRQLAGQSFYQKDGRLCEPCYQDTLERCGKCGEVVRDHIIRALGQAFHPSCFTCVTCARCI  
GDESFALGSQNEVYCLDDFYRKFAFVCSICENPIIPRDGKDAFKIECMGRNFHENCYRCEDCRILLSVEPTDQGCYP  
LNNHLFCKPCHVKRSAAGCC

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.