

Active Recombinant Mouse Fbln2 protein, His-tagged

Cat. No. Fbln2-7896M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse Fbln2 protein(P37889)(896-1106 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	896-1106 aa
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Fibulin 2 (FBLN2) is the second largest member of the seven-member fibulin family of extracellular membrane (ECM) glycoproteins. The protein is known to form disulfide-linked homodimers, but it can also be secreted as an oligomer. Fibulin 2 is considered a multifunctional binding protein due to its association with numerous ECM components, but its specific interactions have yet to be determined. Fibulin 2 is localized at the interface between microfibrils and the elastin core and its known interactions include nidogen-1, perlecan, laminin, aggrecan, endostatins, versican, collagen, and tropoelastin. It is down-regulated in numerous forms of cancer including breast, colorectal, lung, esophageal, and squamous cell carcinoma, but over-expression has been shown with solid tumors. To test the effect of FBLN2 on cell apoptosis, A549 cells were seeded into triplicate wells of 96-well plates at a density of 4,000 cells/well and allowed to attach overnight, then the medium was replaced with various concentrations of recombinant mouse FBLN2 diluted with 5% serum standard

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DMEM. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μ of CCK-8 solution was added to each well of the plate, then the absorbance at 450 nm was measured using a microplate reader after incubating the plate for 1h at 37°C. Proliferation of A549 cells after incubation with FBLN2 for 72h observed by inverted microscope was shown. Cell viability was assessed by CCK-8 (Cell Counting Kit-8) assay after incubation with recombinant mouse FBLN2 for 72h. The result was shown. It was obvious that FBLN2 significantly inhibit cell viability of A549 cells. The ED50 is 1.25 μ g/mL.

Molecular Mass	24.6kDa
Endotoxin	<1.0EU per 1 μ g (determined by the LAL method).
Purity	> 90%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Fbln2 fibulin 2 [Mus musculus]
Official Symbol	Fbln2
Synonyms	FBLN2; fibulin 2; fibulin-2; FIBL-2; 5730577E14Rik;
Gene ID	14115

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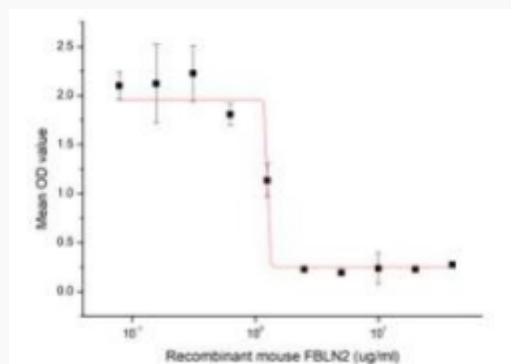
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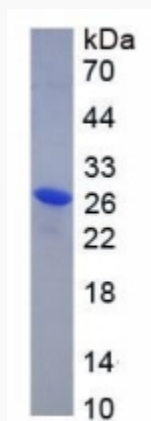
mRNA Refseq [NM_001081437](#)

Protein Refseq [NP_001074906](#)

Activity



SDS-PAGE



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