

Active Recombinant Mouse Insulin-Like Growth Factor Binding Protein-Like 1, His-tagged

Cat. No. Igfbpl1-5646M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Igfbpl1 protein was expressed in Murine myeloma cellline. Leu18-Leu270, with a C-terminal 10-His tag.
Species	Mouse
Source	Mammalian Cells
Protein Length	18-270 a.a.
Description	Igfbpl1 is a 38 kDa secreted member of the IGFBP superfamily of proteins. IGFBP superfamily members are cysteine-rich proteins with conserved cysteine residues, which are clustered in the amino- and carboxy-terminal thirds of the molecule. IGFBPs modulate the biological activities of IGF proteins. Igfbpl1 contains an N-terminal IGFBP motif, a Kazal-type serine protease inhibitor region, and a C-terminal Ig-like domain. Mature mouse Igfbpl1 shares 76% and 96% amino acid (aa) sequence identity with human and rat Igfbpl1, respectively.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
N-terminal Sequence	Leu18
Molecular Weight	28.2 kDa
Activity	Measured by its ability to inhibit proliferation of HeLa human cervical epithelial

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	carcinomacells. The ED50 for this effect is typically 2-8 µg/mL.
Endotoxin Level	<1.0EU per 1µg of the protein by the LAL method.
SDS-PAGE	36 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	100 µg/mL in sterile PBS
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	lgfbpl1 insulin-like growth factor binding protein-like 1 [Mus musculus]
Official Symbol	lgfbpl1
Synonyms	lgfbpl1; insulin-like growth factor binding protein-like 1; IGFBPL; 2810011G06Rik; 2810453O06Rik; insulin-like growth factor-binding protein-like1; IGFBP-rP4; IGFBP-like protein; IGFBP-related protein 10; insulin-like growth factor-binding-related protein 4
Gene ID	75426
mRNA Refseq	NM_018741
Protein Refseq	NP_061211

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UniProt ID	Q80W15
Chromosome Location	4
Function	insulin-like growthfactor binding

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