

Active Recombinant Mouse Igfbp5 Protein, His&Avi&Flag-tagged, Biotin-labeled

Cat. No. Igfbp5-11099M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Mouse IGFBP-5 Protein, His, Avitag&Flag Tag is expressed from human 293 cells (HEK293). It contains AA Leu 20 - Glu 271 (Accession # Q07079). This protein carries a polyhistidine tag and an Avi tag (Avitag) at the N-terminus followed by a Flag tag at the C-terminus. Predicted N-terminus: His
Species	Mouse
Source	HEK293
ProteinLength	20-271 aa
Conjugation/Label	Biotin
Description	IGFBP5 stands for Insulin-like Growth Factor Binding Protein 5. It is a protein that belongs to the insulin-like growth factor binding protein (IGFBP) family. IGFBP5 plays a crucial role in regulating the activity and distribution of insulin-like growth factors (IGFs) in the body. Enables insulin-like growth factor I binding activity.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 0.3 M Arginine with trehalose as protectant.
Specificity	Protein Ratio: Passed as determined by the HABA assay/binding ELISA.
Bio-activity	Immobilized Biotinylated Mouse IGFBP-5 Protein, His, Avitag&Flag Tag at 1 µg/mL

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

	(100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Mouse IGF-I, Fc Tag with a linear range of 1-20 ng/mL.
Molecular Mass	The protein has a calculated MW of 33.2 kDa. The protein migrates as 35-38 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	>80% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Igfbp5 insulin-like growth factor binding protein 5 [Mus musculus]
Official Symbol	IGFBP5
Synonyms	IGFBP5; insulin-like growth factor binding protein 5; insulin-like growth factor-binding protein 5; IBP-5; IGF-binding protein 5; IGFBP-5; AI256729; AW208790; IGFBP-5P;
Gene ID	16011
mRNA Refseq	NM_010518

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Protein Refseq	NP_034648
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UniProt ID	Q07079
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