For Research Use Only Recombinant Mouse IGFBP-3 protein (His Tag)



Catalog Number: Eg0513

Basic Information	<mark>Species:</mark> Mouse EC50: 0.05-0.2 μg/mL	Purity: >95 %, SDS-PAGE	<mark>Tag:</mark> His Tag
Technical Specifications	Purity: >95 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method		
	Source: HEK293-derived Mouse IGFBP-3 protein Pro22-Gln291 (Accession# CAA57271.1, Arg250Gln, Gln259Arg, Ser260Gly, Arg271Pro) with a His tag at the C-terminus.		
	GenelD: 16009		
	Accession: CAA57271.1		
	Predicted Molecular Mass: 30.4 kDa		
	SDS-PAGE: 45-55 kDa, reducing (R) conditions		
	Formulation: Lyophilized from 0.22 µ m filtered protectants before lyophilization.	solution in PBS, pH 7.4. Normal	ly 5% trehalose and 5% mannitol are added as
Biological Activity	Measured by its ability to inhibit the biological activity of IGF-I or IGFII on MCF-7 human breast cancer cells. The EC50 for this effect is 0.05-0.2 µg/mL in the presence of 30 ng/mL Recombinant human IGF-I.		
Storage and Shipping	Storage: It is recommended that the protei	n be aliquoted for optimal stor	age. Avoid repeated freeze-thaw cycles.
	 Until expiry date, -20[°]C to 3 months, -20[°]C to -80[°]C to 	-80 $^\circ\!\mathrm{C}$ as lyophilized proteins. Inder sterile conditions after r	econstitution.
	Shipping: The product is shipped at ambient temperature.	temperature. Upon receipt, sto	ore it immediately at the recommended
Reconstitution	Briefly centrifuge the tube before	opening. Reconstitute at 0.1-0	.5 mg/mL in sterile water.
Background	Insulin-like growth factor binding followed by a mature protein of 26 terminus. Accordingly, expression secretion of the protein into the c including conservation of all 18 cy identified in amniotic fluid. IGFBP- Western blots revealed that the 39	protein-3 (IGFBP-3) contains a 64 amino acids with 18 cysteine of the cloned IGFBP-3 cDNA in ulture medium. IGFBP-3 shares steine residues with a smaller 3 has one or more glycosylatio 9-45 kDa IGFBP-3 fragment is a	27 amino acid putative signal sequence residues clustered near the N- and C- mammalian tissue culture cells results in high homology (33% amino acid identity) human IGF-binding protein (BP-28) n sites with a protein core of 30 kDa. glycoprotein.
References	1.Miljuš, G, et al. (2013). Metallomi 2. Renes, J. S,et al. (2014). J Clin End 3.Jia Y, et al. (2010). J Biol Chem, 28	cs,5(3), 251–258. ocrinol Metab, 99(10):E1988-E1 5(3), 1726–1732.	.996.
Synonyms	IGFBP3, IGgfbp3		

Selected Validation Data





Purity of Recombinant Mouse IGFBP-3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue. Measured by its ability to inhibit the biological activity of IGF-I or IGFII on MCF-7 human breast cancer cells. The EC50 for this effect is 0.05-0.2 μ g/mL in the presence of 30 ng/mL Recombinant human IGF-I.

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