

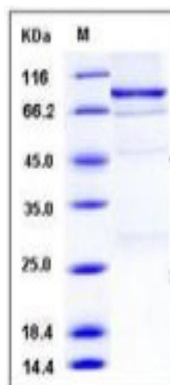
IGF2BP2

Recombinant Human IGF2 mRNA-binding protein 2 / p62 (His & GST Tag)

Catalog No.	CRH620A-HisGST CRH620B-HisGST	Quantity:	20 µg 50 µg
Alternate Names:	Insulin-like growth factor 2 mRNA-binding protein 2, IGF2 mRNA-binding protein 2, IMP-2, Hepatocellular carcinoma autoantigen p62, IGF-II mRNA-binding protein 2, VICKZ family member 2		
Description:	Insulin-like growth factor 2 mRNA-binding protein 2 (IGF2BP2) is a member of the IGF-II mRNA-binding protein (IMP) family that collectively, have been shown to bind to several different mRNAs in mammalian cells, including one of the mRNAs encoding insulin-like growth factor-2. Insulin-like growth factor 2 mRNA-binding protein 2 (IGF2BP2) is involved in the stimulation of insulin action. IGF2BP2 / IMP2 is expressed in oocytes, granulosa cells of small and growing follicles, Leydig cells, spermatogonia and semen (at protein level). It is also expressed in testicular cancer (at protein level). It is expressed weakly in heart, placenta, skeletal muscle, bone marrow, colon, kidney, salivary glands, testis and pancreas. IGF2BP2 binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs. This binding is isoform-specific. IGF2BP2 may regulate translation of target mRNAs.		
UniProt ID:	Q9Y6M1-2		
Protein Construction:	A DNA sequence encoding the human IGF2BP2 isoform 1 (Met 1-Lys 599) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.		
Source:	Baculovirus-Insect Cells		
Formulation:	Lyophilized from sterile 50mM Tris, 500mM NaCl, 0.5mM PMSF, 5mM Reduced Glutathione, pH 8.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants		
Molecular Weight:	The recombinant human IGF2BP2/GST chimera consists of 836 amino acids with a predicted MW of 94 kDa and migrates at ~90 kDa in SDS-PAGE under reducing conditions.		
Purity:	> 76 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method		
Biological Activity:	Testing in progress		
Predicted N-terminal:	Met		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		



SDS-PAGE



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