

IGF2BP2 recombinant protein

Recombinant IGF2BP2 protein

CATALOG #
AAA60210

HOST
Baculovirus

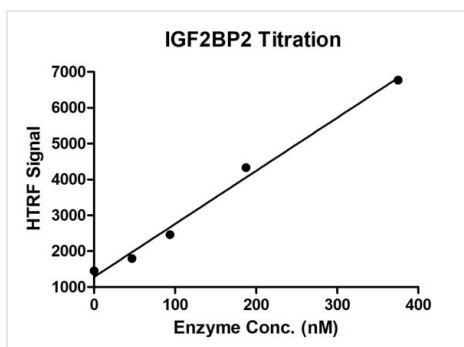
PRODUCT SYNONYMS

IGF2BP2; Recombinant IGF2BP2 protein; VICKZ2; IMP2; Insulin-like growth factor 2 mRNA-binding protein 2; IGF2BP2 recombinant protein

PRODUCT SPECIFICATIONS

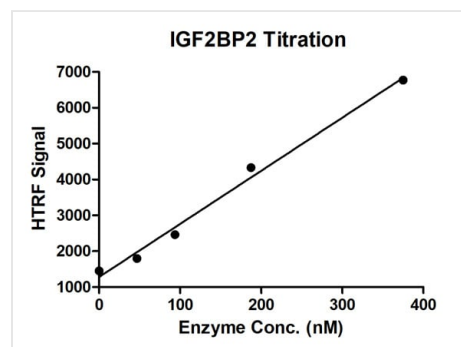
Host	Baculovirus
Form/Format	Recombinant IGF2BP2 protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	This product was manufactured as described in Protein Details. Where possible, We has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for a given product is shown on the lot-specific Technical Data Sheet.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



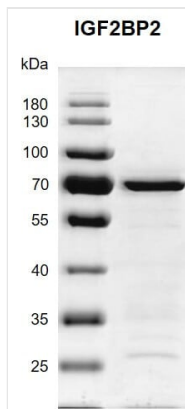
Application Data

HTRF for IGF2BP2 activity 1 uM ACTB zipcode ssDNA (1212-1313) was incubated with different concentrations of IGF2BP2 protein in a 10 ul reaction system containing 50 mM HEPES-NaOH pH 7.5, 0.1% BSA for 1 hour, then 10 ul anti-DYKDDDDK antibody and SA-XL665 mixture (1:100 dilution in the same buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



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SDS-PAGE

Recombinant IGF2BP2 protein gel 10% SDS-PAGE with Coomassie blue staining MW: 67.4 kDa Purity: >88%

ADDITIONAL INFORMATION

Related Product Information for IGF2BP2 recombinant protein	Short Description: Full-length human IGF2BP2 protein (accession number NP_006539.3) was expressed in a baculovirus system with an N-terminal DYKDDDDK-Tag. The molecular weight of the protein is 67.4 kDa. Background: IGF2BP2 (Insulin Like Growth Factor 2 mRNA Binding Protein 2), also called as VICKZ2 or IMP2, is a member of the insulin-like growth factor 2 mRNA-binding protein family. The mammalian IGF2 mRNA binding proteins (IGF2BPs) family encompasses three RNA-binding proteins (RBPs) controlling the cytoplasmic fate of mRNAs in development, somatic cells and human diseases. IGF2BPs are RNA-binding factors that recruit target transcripts to cytoplasmic protein-RNA complexes (mRNPs). This transcript 'caging' into mRNPs allows mRNA transport and transient storage. It also modulates the rate and location at which target transcripts encounter the translational apparatus and shields them from endonuclease attacks or microRNA-mediated degradation. It functions by binding to the mRNAs of certain genes, including insulin-like growth factor 2, beta-actin and beta-transducin repeat-containing protein, and regulating their translation. Recent studies revealed that the association of IGF2BPs with target mRNAs, e.g. the MYC mRNA, is enhanced by the N6-methyladenosine (m6A) modification of target transcripts suggesting IGF2BPs as novel m6A-readers. N6- methyladenosine (m6A) is the most prevalent modification in eukaryotic RNAs. The biological importance of m6A relies on m6A readers, which control mRNA fate and function. Besides, it is suggested that only IGF2BP2 (but not other members of the IGF2BP family or the YTH family) directly bounds to the specific m6A sites in SOX2 CDS regions and controlled the SOX2 mRNA half-life via an m6A-dependent manner. In fact, before its identification as an m6A reader, IGF2BP2 had already suggested to be associated with tumor progression through preserving the stemness phenotype in glioblastoma and hepatocellular carcinoma.
Product Categories/Family for IGF2BP2 recombinant protein	Recombinant Proteins ; Growth Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	64085377
NCBI GeneID	10644
NCBI Accession #	NP_006539.3
NCBI GenBank Nucleotide #	NM_006548.4
Molecular Weight	58,578 Da
NCBI Official Full Name	insulin-like growth factor 2 mRNA-binding protein 2 isoform a
NCBI Official Synonym Full Names	insulin-like growth factor 2 mRNA binding protein 2
NCBI Official Symbol	IGF2BP2
NCBI Official Synonym Symbols	IMP2; IMP-2; VICKZ2

NCBI Protein Information

insulin-like growth factor 2 mRNA-binding protein 2; VICKZ family member 2; IGF2 mRNA-binding protein 2; IGF-II mRNA-binding protein 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/igf2bp2-recombinant-protein-baculovirus/60210>