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Datasheet for ABIN1691917
IGF2BP2 Protein (AA 1-220) (His tag,T7 tag)

Overview

Quantity:	50 µg
Target:	IGF2BP2
Protein Characteristics:	AA 1-220
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGF2BP2 protein is labelled with His tag,T7 tag.

Product Details

Purpose:	Recombinant Human IGF2 mRNA-Binding Protein 2/IGF2BP2/IMP2 (C-6His, N-T7 tag)
Sequence:	MASMTGGQQM GRGSEFMMNK LYIGNLSPAV TADDLRQLFG DRKLPLAGQV LLKSGYAFVD YPDQNWAIIRA IETLSGKVEL HGKIMEVDYS VSKKLRSRKI QIRNIPPHLQ WEVLDGLLAQ YGTVENVEQV NTDDETAVVN VTYATREEAK IAMEKLSGHQ FENYSFKISY IPDEEVSSPS PPQRAQRGDH SSREQGHAPG GTSQARQIDF PLRILVPTQF VGAIIGKEGL TIKNITLEHH HHHH
Characteristics:	Recombinant Human Insulin-Like Growth Factor 2 mRNA-Binding Protein 2/IGF2BP2 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Thr220) of Human IGF2BP2 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	IGF2BP2
Alternative Name:	IGF2BP2 (IGF2BP2 Products)
Sub Type:	Fusionprotein
Background:	<p>Insulin-Like Growth Factor 2 mRNA-Binding Protein 2 (IGFBP2) belongs to the RRM IMP/VICKZ family. IGFBP2 is a cytoplasmic protein and contains four KH domains and two RRM (RNA recognition motif) domains. IGF2BP2 binds to the 5'-UTR of the Insulin-Like Growth Factor 2 (IGF2) mRNA. This binding is isoform-specific. IGF2BP2 may regulate translation of target mRNAs. Genetic variation at the IGF2BP2 gene has been associated with type 2 diabetes (T2D) by genome-wide association studies and by replication analyses.</p> <p>Alternative 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, IGF2BP2, IMP2, VICKZ2</p>
Molecular Weight:	27.2 kDa
UniProt:	Q9Y6M1

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months