

Recombinant Human IGF2BP1 protein, GST-tagged

Cat. No. IGF2BP1-526H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF2BP1(1 a.a. - 577 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-577 a.a.
Description	This gene encodes a member of the insulin-like growth factor 2 mRNA-binding protein family. The protein encoded by this gene contains four K homology domains and two RNA recognition motifs. 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. Two transcript variants encoding different isoforms have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	89.87 kDa
AA Sequence	MNKLYIGNLNESVTPADLEKVFAEHKISYSGQFLVKSGYAFVDCPDEHWAMKAIETF SGKVELQGKRLEIEHSVP KKQRSRKIQIRNIPPQLRWEVLDSLLAQYGTVENCEQVN TESETAVNVNTYSNREQTRQAIMKLNQHLENHALK VSYIPDEQIAQGPENGRRGG FGSRGQPRQGSPVAAGAPAKQQQVDIPLRLLVPTQYVGAIIGKEGATIRNITKQT QS KIDVHRKENAGAAEKAISVHSTPEGCSSACKMILEIMHKEAKDTKTADDEVPLKILAHN

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NFVGRLIGKEGRNLK KVEQDTETKITISSLQDLTLNPERTITVKGAIENCCRAEQEIM
 KKVREAYENDVAAMSLQSHLIPGLNLAAGVL FPASSAVPPPPSSVTGAAPYSSFM
 QAPEQEMVQVFIPAQAVGAIIGKKGQHIKQLSRFASASIKIAPPETPDSK VRMVIITGP
 PEAQFKAQGRIYGKLKEENFFGPKEEVKLETHIRVPASAAGRIVIGKGGKTVNELQNL
 TAAEVVPR DQTPDENDQVIVKIIGHFYASQMAQRKIRDILAQVKQHQKGQSNQA
 QARRK

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION
Gene Name

IGF2BP1 insulin-like growth factor 2 mRNA binding protein 1 [Homo sapiens]

Official Symbol

IGF2BP1

Synonyms

IGF2BP1; insulin-like growth factor 2 mRNA binding protein 1; insulin-like growth factor 2 mRNA-binding protein 1; IGF II mRNA binding protein 1; IMP 1; ZBP-1; VICKZ family member 1; zipcode-binding protein 1; IGF2 mRNA-binding protein 1; IGF-II mRNA-binding protein 1; coding region determinant-binding protein; IMP1; ZBP1; CRDBP; IMP-1; CRD-BP; VICKZ1;

Gene ID

10642

mRNA Refseq

NM_001160423

Protein Refseq

NP_001153895

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MIM	608288
UniProt ID	Q9NZI8
Chromosome Location	17q21.32
Pathway	Binding of RNA by Insulin-like Growth Factor-2 mRNA Binding Proteins (IGF2BPs/IMPs/VICKZs), organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem;
Function	mRNA 3-UTR binding; mRNA 5-UTR binding; mRNA binding; nucleotide binding; protein binding; translation regulator activity;