

Datasheet for ABIN7554155
IGF2BP2 Protein (AA 1-599) (His tag)



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Overview

Quantity:	1 mg
Target:	IGF2BP2
Protein Characteristics:	AA 1-599
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGF2BP2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat IGF2BP2 Protein expressed in mammalien cells.
Sequence:	<p>MMNKLYIGNL SPAVTADDLR QLFGDRKLPL AGQVLLKSGY AFVDYPDQNW AIRAIETLSG KVELHGKIME VDYSVSKKLR SRKIQRNIP PHLQWEVLDG LLAQYGTVEN VEQVNTDTET AVVNVTYATR EEAKIAMEKL SGHQFENYSF KISYIPDEEV SSPSPQRAQ RGDHSSREQG HAPGGTSQAR QIDFPLRILV PTQFVGAIG KEGLTIKNIT KQTQSRVDIH RKENSGAAEK PVTIHATPEG TSEACRMILE IMQKEADETK LAEEIPLKIL AHNGLVGRLI GKEGRNLKKI EHETGKITI SSLQDLSIYN PERTITVKGT VEACASAEIE IMKKLREAFE NDMLAVNQQA NLIPGLNLSA LGIFSTGLSV LSPAGPRGA PPAAPYHPFT THSGYFSSLY PHHQFGPFPH HHSYPEQEV NLIPTQAVG AIIGKKGAHI KQLARFAGAS IKIAPAEGPD VSERMVIITG PPEAQFKAQG RIFGKLKEEN FFPKKEEVKL EAHIRVPSST AGRVIGKGGK TVNELQNLTS AEVIVPRDQT PDENEEVIVR IIGHFFASQT AQRKIREIVQ QVKQQEQKYP QGVASQRSK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression</p>

system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

IGF2BP2

Alternative Name:

IGF2BP2 ([IGF2BP2 Products](#))

Background:

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),FUNCTION: RNA-binding factor that recruits 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 (By similarity). Preferentially binds to N6-methyladenosine (m6A)-containing mRNAs and increases their stability (PubMed:29476152). Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs (PubMed:9891060). Binding is isoform-specific. Binds to beta-actin/ACTB and MYC transcripts. Increases MYC mRNA stability by binding to the coding region instability determinant (CRD) and binding is enhanced by m6A-

Target Details

modification of the CRD (PubMed:29476152). {ECO:0000250, ECO:0000269|PubMed:23640942, ECO:0000269|PubMed:29476152, ECO:0000269|PubMed:9891060}.

Molecular Weight: 66.1 kDa

UniProt: [Q9Y6M1](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months