

Datasheet for ABIN7554136
IGF2BP3 Protein (AA 1-579) (His tag)



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Overview

Quantity:	1 mg
Target:	IGF2BP3
Protein Characteristics:	AA 1-579
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGF2BP3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat IGF2BP3 Protein expressed in mammalian cells.
Sequence:	<p>MNKLYIGNLS ENAAPSDLES IFKDAKIPVS GPFLVKTGYA FVDCPDERSWA LKAIEALSGK IELHGKPIEV EHSVPKRQRI RKLQIRNIPP HLQWEVLDSL LVQYGVVESC EQVNTDSETA VVNVTYSSKD QARQALDKLN GFQLENFTLK VAYIPDEMAA QQNPLQQPRG RRGLGQRGSS RQGSPGSVSK QKPCDLPLRL LVPTQFVGAI IGKEGATIRN ITKQTQSKID VHRKENAGAA EKSITILSTP EGTSAACKSI LEIMHKEAQD IKFTEEIPLK ILAHNNFVGR LIGKEGRNLK KIEQDQDTKI TISPLQELTL YNPRTITVK GNVETCAKAE EEIMKKIRES YENDIASMNL QAHLIPGLNL NALGLFPPTS GMPPPTSGPP SAMTPYPYQF EQSETETVHL FIPALSVGAI IGKQGQHIKQ LSRFAGASIK IAPAEAPDAK VRMVIITGPP EAQFKAQGRI YGKIKEENFV SPKEEVKLEA HIRVPSFAAG RVIGKGGKTV NELQNLSSAE VVVPRDQTPD ENDQVVVKIT GHFYACQVAQ RKIQEILTQV KQHQQQKALQ SGPPQSRRK Sequence without tag. The proposed Purification- Tag is based on experiences with the expression system, a different complexity of the</p>

protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	IGF2BP3
Alternative Name:	IGF2BP3 (IGF2BP3 Products)
Background:	<p>Insulin-like growth factor 2 mRNA-binding protein 3 (IGF2 mRNA-binding protein 3) (IMP-3) (IGF-II mRNA-binding protein 3) (KH domain-containing protein overexpressed in cancer) (hKOC) (VICKZ family member 3),FUNCTION: RNA-binding factor that may 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. Preferentially binds to N6-methyladenosine (m6A)-containing mRNAs and increases their stability (PubMed:29476152). Binds to the 3'-UTR of CD44 mRNA and stabilizes it, hence promotes cell adhesion and invadopodia formation in cancer cells. Binds to beta-actin/ACTB and MYC transcripts. Increases MYC mRNA stability by binding to the coding region instability determinant (CRD)</p>

Target Details

	and binding is enhanced by m6A-modification of the CRD (PubMed:29476152). Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs. {ECO:0000269 PubMed:16541107, ECO:0000269 PubMed:23640942, ECO:0000269 PubMed:29476152}.
Molecular Weight:	63.7 kDa
UniProt:	O00425

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