Datasheet for ABIN7556231

KHDRBS3 Protein (AA 1-346) (His tag)

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Overview

Quantity:	1 mg
Target:	KHDRBS3
Protein Characteristics:	AA 1-346
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KHDRBS3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Khdrbs3 Protein expressed in mammalien cells.
Sequence:	MEEKYLPELM AEKDSLDPSF THALRLVNRE IEKFQKGEGK EEEKYIDVVI NKNMKLGQKV LIPVKQFPKF NFVGKLLGPR GNSLKRLQEE TLTKMSILGK GSMRDKAKEE ELRKSGEAKY FHLNDDLHVL IEVFAPPAEA YARMGHALEE IKKFLIPDYN DEIRQAQLQE LTYLNGGSEN ADVPVVRGKS TLRTRGVTTP AITRGRGGVT ARPVAVGVPR GTPTPRGVLS TRGPVSRGRG LLTPRARGVP PTGYRPPPPP PTQETYGEYD YDDGYGTAYD EQSYDSYDNS YSTPAQSAAD YYDYGHGLSE DAYDSYGQEE WTNSRHKAPS ARTAKGVYRD QPYGRY **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression 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:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalien 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:	KHDRBS3
Alternative Name:	Khdrbs3 (KHDRBS3 Products)
Background:	KH domain-containing, RNA-binding, signal transduction-associated protein 3 (RNA-binding protein Etoile) (Sam68-like mammalian protein 2) (SLM-2),FUNCTION: RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion. Binds preferentially to the 5'-[AU]UAAA-3' motif in vitro (PubMed:19457263). Binds optimally to RNA containing 5'-[AU]UAA-3' as a bipartite motif spaced by more than 15 nucleotides (By similarity). Binds poly(A). RNA-binding abilities are down-regulated by tyrosine kinase PTK6 (PubMed:15471878). Involved in splice site selection of vascular endothelial growth factor (By similarity). In vitro regulates CD44 alternative splicing by direct binding to purine-rich exonic enhancer (By similarity). Can regulate alternative splicing of neurexins NRXN1-3 in the laminin G-like domain 6 containing the evolutionary conserved neurexin alternative spliced segment 4 (AS4) involved in neurexin selective targeting to postsynaptic partners such as neuroligins and LRRTM family members. High concentrations in forebrain structures block splicing inclusion of NRXN1-3 AS4 exons while low concentrations favor their inclusion. Targeted, cell-type specific splicing regulation of NRXN1 at AS4 is involved in

Target Details

	neuronal glutamatergic synapse function and plasticity and is linked to behavioral aspects (PubMed:22196734, PubMed:23637638, PubMed:24469635, PubMed:27174676). Regulates expression of KHDRBS2/SLIM-1 in defined neuron populations in the hippocampus by modifying its alternative splicing resulting in a transcript predicted to undergo nonsense-mediated decay (PubMed:25505328). Can bind FABP9 mRNA (PubMed:19916944). May play a role as a negative regulator of cell growth. Inhibits cell proliferation. {ECO:0000250|UniProtKB:O75525, ECO:0000250|UniProtKB:Q9JLP1, ECO:0000269|PubMed:15471878, ECO:0000269|PubMed:19457263, ECO:0000269|PubMed:19916944, ECO:0000269|PubMed:22196734, ECO:0000269|PubMed:23637638, ECO:0000269|PubMed:24469635, ECO:0000269|PubMed:27174676}.
Molecular Weight:	38.8 kDa
UniProt:	Q9R226

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