

Datasheet for ABIN7560058
RBM47 Protein (AA 1-590) (His tag)



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Overview

Quantity:	1 mg
Target:	RBM47
Protein Characteristics:	AA 1-590
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBM47 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rbm47 Protein expressed in mammalian cells.
Sequence:	<p>MTAEDSATAM NSDPTVGSST KVPEGVAGAP NEAALLALIE RTGYTMVQEN GQRKYGGPPP GWEGPHPQRG CEVFGKIPR DVYEDELVPV FETVGRIYEL RLMMDFDGKN RGYAFVMYCH KHEAKRAVRE LNNYEIRPGR LLGVCCSDVN CRLFIGGIPK MKKRGEILEE IAKVTEGVLN VIVYASAADK MKNRGF AFVE YESHRAAAMA RRKLMPGRIQ LWGHQIAVDW AEPEIDVDED VMQTVKILYV RNLMIETTEE TIKKSFGQFN PGCVERVKKI RDYAFVHFTS REDAVHAMNN LNGTELEGSC LEVTLAKPVD KEQYSRYQKA AKGGGGSAAE VAQQPSYVYS CDPYTLAYYG YPYNALIGPN RDYFVKTGS I RGRGRGAAGN RTPGPRGSYL GGYSAGRGIY SRYHEGK GKQ QEKGYELVPN LEISPVNPVA IKPGTVAIPA IGAQYSMFQA APAPKIIEDG KIHTMEHMIS PIAVQDPAT AAAAAAAAAA AAVIPAVSTP PPFQGRPITP VYTVAPNVQR IPTAGIYGAS YVPFAAPATA TIATLQKNAA AAVYGGYAGY IPQAFPAALQ VPIHDVYQTY Sequence without tag.</p> <p>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</p>

Product Details

special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: RBM47

Alternative Name: Rbm47 ([RBM47 Products](#))

Background: RNA-binding protein 47 (RNA-binding motif protein 47),FUNCTION: Single-stranded RNA-binding protein that functions in a variety of RNA processes, including alternative splicing, RNA stabilization, and RNA editing. Functions as an enzyme-substrate adapter for the cytidine deaminase APOBEC1. With APOBEC1 forms an mRNA editing complex involved into cytidine to uridine editing of a variety of mRNA molecules (PubMed:24916387, PubMed:30844405, PubMed:30309881). Through the binding of their 3'UTR, also stabilizes a variety of mRNAs and regulates the expression of genes such as the interferon alpha/beta receptor and interleukin-10 (PubMed:29844590). Also involved in the alternative splicing of several genes including TJP1. Binds the pre-mRNA (U)GCAUG consensus sequences in downstream intronic regions of alternative exons, regulating their exclusion and inclusion into mRNAs (By similarity).

Target Details

Independently of its RNA-binding activity, could negatively regulate MAVS by promoting its lysosomal degradation (By similarity). {ECO:0000250|UniProtKB:A0A8M1NHK4, ECO:0000250|UniProtKB:A0AV96, ECO:0000269|PubMed:24916387, ECO:0000269|PubMed:29844590, ECO:0000269|PubMed:30309881, ECO:0000269|PubMed:30844405}.

Molecular Weight: 64.1 kDa

UniProt: [Q91WT8](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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