

Datasheet for ABIN7556767
RBM46 Protein (AA 1-533) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	RBM46
Protein Characteristics:	AA 1-533
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBM46 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Rbm46 Protein expressed in mammalian cells.
Sequence:	<p>MNEENTDGTN GCSKVRTGTQ NEAALLALME KTGYNMVQEN GQRKFGGPPP GWEGPPPPRG</p> <p>CEVFGKIPR DMYEDELVPV FERAGKIYEF RLMMEFSGEN RGYAFVMYTT KEEAQLAIRI</p> <p>LNNYEIRPGK FIGVCVSLDN CRLFIGAIPK EKKKEEILDE MKKVTEGVVD VIVYPSATDK</p> <p>TKNRGF AFVE YESHRAAAMA RRKLIPGTFQ LWGHTIQVDW ADPEKEVDEE TMQRVKVLYV</p> <p>RNLMISTTEE TIKAEFSKFK PGAVERVKKL RDYAFVHFFH REDAVAAMSV MNGKCIDGAS</p> <p>IEVTLAKPVN KENTWRQHLN GQISPNSENL LVIYANKEESH SKSLGKPPTL PTRLNGQHSP</p> <p>SPPEIERCTY PFFPGTKLTP ISMYSLKSNH FNSAVMHLDY YCNKNNWAPP EYYLYSTTSQ</p> <p>DGKVLLVYKI VIPAIANGSQ SYFMPDKLCT TLEDAKELAA QFTLLHLDFN FRRSSINSLS</p> <p>PVSTTLSSGT PSMLPYTSRP SSYPSYPLSP TISLANGSHV GQRLYISNQA SFF 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</p>

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:

RBM46

Alternative Name:

Rbm46 ([RBM46 Products](#))

Background:

Probable RNA-binding protein 46 (RNA-binding motif protein 46),FUNCTION: Essential for male and female fertility, playing a crucial role in regulating germ cell development by ensuring the proper progression of meiosis prophase I (PubMed:36129965, PubMed:36001654, PubMed:36726756). Regulates mitotic-to-meiotic transition in spermatogenesis by forming a complex with MEIOC and YTHDC2 which recognizes and down-regulates mitotic transcripts for a successful meiotic entry (PubMed:36129965). Required for normal synaptonemal complex formation during meiosis, binding meiotic cohesin subunit mRNAs containing GCCUAU/GUUCGA motifs in their 3'UTRs regions and positively regulating their translation (PubMed:36726756). Required for spermatogonial differentiation in both developing and adult testis (PubMed:36129965). {ECO:0000269|PubMed:36001654, ECO:0000269|PubMed:36129965, ECO:0000269|PubMed:36726756}.

Molecular Weight:

60.1 kDa

Target Details

UniProt: [P86049](#)

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