

Datasheet for ABIN7551288
RBM15B Protein (AA 1-890) (His tag)



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Overview

Quantity:	1 mg
Target:	RBM15B
Protein Characteristics:	AA 1-890
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBM15B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RBM15B Protein expressed in mammalian cells.
Sequence:	<p>MKRQSERDSS PSGRGSSSSA KRPRERERE EAGGRRAHK ASGGAKHPVP ARARDKPRGS GSGGGGHRDG RGTGDANHRA SSGRSSGSGA GGGRRGGKAS GDPGASGMSP RASPLPPPPP PPGAEPACPG SSAAPEYKT LLISSLSPAL PAEHLEDRF HQFKRFGEIS LRLSHTPELG RVAYVNRHP QDAREARQHA LARQLLYDR PLKVEPVYLR GGGSSRRSS SSSAASTPP PGPPAPADPL GYLPLHGGYQ YKQRSLSQVA APPLREPRAR HAAAAFALDA AAAAAVGLSR ERALDYGLY DDRGRPYGYP AVCEEDLMPE DDQRATRNL IGNDHSVSE VELRRAFEKY GIIIEVVIKR PARGQGGAYA FLKFQNLDMA HRAKVAMSGR VIGNPIKIG YGKANPTTRL WVGGLGPNTS LAALAREFDR FGSIRTIDHV KGDSFAYIQY ESLDAAQAAC AKMRGFPLGG PDRRLRVDF AKAETRYPQQ YQPSLPVHY ELLTDGYTRH RNLDADLVRD RTPPHLLYS RDRTFLEGDW TSPSKSSDRR NSLEGYSRSV RSRSGERWGA DGDRGLPKPW EERRKRRSLS SDRGRTHSP YEERSRTKGS GQQSERSGSDR TPERSRKENH SSEGKESSS NSLSNSRHGA EERGHHHHHH EAADSSHGKK ARDSERNHRT TEAEPKPLEE PKHETKCLKN LSEYAQTLQL</p>

Product Details

GWNGLLVLKN SCFPTSMHIL EGDQGVISL LKDHTSGSKL TQLKIAQRLR LDQPKLDEVT
RRIKQGSPNG YAVLLATQAT PSGLGTEGMP TVEPGLQRRL LRNLVSYLKQ KQAAGVISLP
VGGSKGRDGT GMLYAFPPCD FSQQYLQSAL RTLKLEEEH MVIVVRDTA **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.**

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: RBM15B

Alternative Name: RBM15B ([RBM15B Products](#))

Background: Putative RNA-binding protein 15B (One-twenty two protein 3) (HsOTT3) (HuOTT3) (RNA-binding motif protein 15B),FUNCTION: RNA-binding protein that acts as a key regulator of N6-methyladenosine (m6A) methylation of RNAs, thereby regulating different processes, such as alternative splicing of mRNAs and X chromosome inactivation mediated by Xist RNA (PubMed:16129689, PubMed:27602518). Associated component of the WMM complex, a

Target Details

complex that mediates N6-methyladenosine (m6A) methylation of RNAs, a modification that plays a role in the efficiency of mRNA splicing and RNA processing (PubMed:27602518). Plays a key role in m6A methylation, possibly by binding target RNAs and recruiting the WMM complex (PubMed:27602518). Involved in random X inactivation mediated by Xist RNA: acts by binding Xist RNA and recruiting the WMM complex, which mediates m6A methylation, leading to target YTHDC1 reader on Xist RNA and promoting transcription repression activity of Xist (PubMed:27602518). Functions in the regulation of alternative or illicit splicing, possibly by regulating m6A methylation (PubMed:16129689). Inhibits pre-mRNA splicing (PubMed:21044963). Also functions as a mRNA export factor by acting as a cofactor for the nuclear export receptor NXF1 (PubMed:19586903). {ECO:0000269|PubMed:19586903, ECO:0000269|PubMed:21044963, ECO:0000269|PubMed:27602518, ECO:0000305|PubMed:16129689}.

Molecular Weight: 97.2 kDa

UniProt: [Q8NDT2](#)

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