

Datasheet for ABIN7555126
RBMX Protein (AA 1-391) (His tag)



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Overview

Quantity:	1 mg
Target:	RBMX
Protein Characteristics:	AA 1-391
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBMX protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RBMX Protein expressed in mammalian cells.
Sequence:	MVEADRPGLK FIGGLNTETN EKALEAVFGK YGRIVEVLLM KDRETNKSRG FAFVTFESPA DAKDAARDMN GKSLDGKAIK VEQATKPSFE SRRRGPPPPP RSRGPPRGLR GGRGGSGGTR GPPSRGGHMD DGGYSMNFM SSSRGLPVK RGPPRSRGGP PPKRSAPSGP VRSSSGMGGR APVSRGRDSY GGPPRREPLP SRRDVYLSR DDGYSTKDSY SSRDYPSSRD TRDYAPPPRD YTYRDYGHSS SRDDYPSRGY SDRDGYGRDR DYSDHPSGGS YRDSYESYGN SRSAPPTRGP PPSYGGSSRY DDYSSSRDGY GSRDSYSSS RSDLYSSGRD RVGRQERGLP PSMERGYPPP RDSYSSSSRG APRGGGRGGS RSDRGGGRSR Y 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.

Product Details

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:

RBMX

Alternative Name:

RBMX ([RBMX Products](#))

Background:

RNA-binding motif protein, X chromosome (Glycoprotein p43) (Heterogeneous nuclear ribonucleoprotein G) (hnRNP G) [Cleaved into: RNA-binding motif protein, X chromosome, N-terminally processed],FUNCTION: RNA-binding protein that plays several role in the regulation of pre- and post-transcriptional processes. Implicated in tissue-specific regulation of gene transcription and alternative splicing of several pre-mRNAs. Binds to and stimulates transcription from the tumor suppressor TXNIP gene promoter, may thus be involved in tumor suppression. When associated with SAFB, binds to and stimulates transcription from the SREBF1 promoter. Associates with nascent mRNAs transcribed by RNA polymerase II. Component of the supraspliceosome complex that regulates pre-mRNA alternative splice site selection. Can either activate or suppress exon inclusion, acts additively with TRA2B to promote exon 7 inclusion of the survival motor neuron SMN2. Represses the splicing of MAPT/Tau exon 10. Binds preferentially to single-stranded 5'-CC[A/C]-rich RNA sequence motifs localized in a single-stranded conformation, probably binds RNA as a homodimer. Binds non-specifically to

Target Details

pre-mRNAs. Also plays a role in the cytoplasmic TNFR1 trafficking pathways, promotes both the IL-1-beta-mediated inducible proteolytic cleavage of TNFR1 ectodomains and the release of TNFR1 exosome-like vesicles to the extracellular compartment.

{ECO:0000269|PubMed:12165565, ECO:0000269|PubMed:12761049, ECO:0000269|PubMed:16707624, ECO:0000269|PubMed:18445477, ECO:0000269|PubMed:18541147, ECO:0000269|PubMed:19282290, ECO:0000269|PubMed:21327109}.

Molecular Weight: 42.3 kDa

UniProt: [P38159](#)

Pathways: [Chromatin Binding, Ribonucleoprotein Complex Subunit Organization](#)

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