

Datasheet for ABIN7551214
RBM14 Protein (AA 1-669) (His tag)



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Overview

Quantity:	1 mg
Target:	RBM14
Protein Characteristics:	AA 1-669
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBM14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RBM14 Protein expressed in mammalian cells.
Sequence:	MKIFVGNVDG ADTTPEELAA LFAPYGTVMS CAVMKQFAFV HMRENAGALR AIEALHGHEL RPGRALVEM SRPRPLNTWK IFVGNVSAAC TSQELRSLFE RRGRIECDV VKDYAFVHME KEADAKAAIA QLNGKEVKGK RINVELSTKG QKKGPG LAVQ SGDKTKKPGA GDTAFPGTGG FSATFDYQQA FGNSTGGFDG QARQPTPPFF GRDRSPLRRS PPRASYVAPL TAQPATYRAQ PSVSLGAAAYR AQPSASLGVG YRTQPMTAQA ASYRAQPSVS LGAPYRGQLA SPSSQSA AAS SLGPYGAQPSASALSSYGG QAAAASSLNS YGAQGSSLAS YGNQPSSYGA QAASSYGVRA AASSYNTQGA ASSLGSYGAQ AASYGAQSAA SSLAYGAQAA SYNAQPSASY NAQSAPYAAQ QAASYSSQPA AYVAQPATAA AYASQPAAYA AQATTPMAGS YGAQPVVQTQ LNSYGAQASM GLSGSYGAQS AAAATGSYGA AAAYGAQPSA TLAAPYRTQS SASLAASYAA QQHPQAAASY RGQPGNAYDG AGQPSAAYLS MSQGAVANAN STPPPYERTR LSPPRASYDD PYKKAVAMSK RYGSDRRLAE LSDYRRLSES QLSFRRSPTK SSLDYRRLPD AHSDYARYSG SYNDYLRAAQ MHSGYQRRM Sequence without tag. The proposed Purification-Tag is based on

Product Details

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: RBM14

Alternative Name: RBM14 ([RBM14 Products](#))

Background: RNA-binding protein 14 (Paraspeckle protein 2) (PSP2) (RNA-binding motif protein 14) (RRM-containing coactivator activator/modulator) (Synaptotagmin-interacting protein) (SYT-interacting protein),FUNCTION: Isoform 1 may function as a nuclear receptor coactivator, enhancing transcription through other coactivators such as NCOA6 and CITED1. Isoform 2, functions as a transcriptional repressor, modulating transcriptional activities of coactivators including isoform 1, NCOA6 and CITED1 (PubMed:11443112). Regulates centriole biogenesis by suppressing the formation of aberrant centriolar protein complexes in the cytoplasm and thus preserving mitotic spindle integrity. Prevents the formation of the STIL-CENPJ complex (which can induce the formation of aberrant centriolar protein complexes) by interfering with

Target Details

the interaction of STIL with CENPJ (PubMed:25385835). Plays a role in the regulation of DNA virus-mediated innate immune response by assembling into the HDP-RNP complex, a complex that serves as a platform for IRF3 phosphorylation and subsequent innate immune response activation through the cGAS-STING pathway (PubMed:28712728). Also involved in the regulation of pre-mRNA alternative splicing (PubMed:37548402).

{ECO:0000269|PubMed:11443112, ECO:0000269|PubMed:25385835, ECO:0000269|PubMed:28712728, ECO:0000269|PubMed:37548402}.

Molecular Weight: 69.5 kDa

UniProt: [Q96PK6](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#)

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