

Datasheet for ABIN7563108
RBPJ Protein (AA 1-526) (His tag)



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Overview

Quantity:	1 mg
Target:	RBPJ
Protein Characteristics:	AA 1-526
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBPJ protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rbpj Protein expressed in mammalian cells.
Sequence:	<p>MPSGFPQSPR TSPRARPKTR ITGALPMDYS EGLSAEERPA HAPSAGKFGF RPPPKRLTRE AMRNYLKERG DQTVLILHAK VAQKSYGNEK RFFCPPPCVY LMGSGWKKKK EQMERDGCSE QESQPCAFIG IGNSDQEMQQ LNLEGKNYCT AKTLYISDSD KRKHFMLSVK MFGNSDDIG VFLSKRIKVI SKPSKKKQSL KNADLCIASG TKVALFNRLR SQTVSTRYLH VEGGNFHASS QQWGAFYIHL LDDDESEGEE FTVRDGYIHY GQTVKLVCSV TGMALPRLII RKVDKQTALL DADDPVSQLH KCAFYLKDE RMYLCLSQER IIQFQATPCP KEQNKEMIND GASWTIISTD KAEYTFYEGM GPVLAPVTPV PVVESLQLNG GGDVAMLELT GQNFTPNLRV WFGDVEAETM YRCGESMLCV VPDISAFREG WRWVRQPQVQV PVTLVRNDGV IYSTSLTFTY TPEPGRPHC SAAGAILRAN SSQVPSNESN TNSEGNYTNA STNSTSVTSS TATVVS 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.</p>

Product Details

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: RBPJ

Alternative Name: Rbpj ([RBPJ Products](#))

Background: Recombining binding protein suppressor of hairless (J kappa-recombination signal-binding protein) (RBP-J kappa),FUNCTION: Transcriptional regulator that plays a central role in Notch signaling, a signaling pathway involved in cell-cell communication that regulates a broad spectrum of cell-fate determinations (PubMed:7566092). Acts as a transcriptional repressor when it is not associated with Notch proteins. When associated with some NICD product of Notch proteins (Notch intracellular domain), it acts as a transcriptional activator that activates transcription of Notch target genes (By similarity) (PubMed:18381292). Probably represses or activates transcription via the recruitment of chromatin remodeling complexes containing histone deacetylase or histone acetylase proteins, respectively. Specifically binds to the immunoglobulin kappa-type J segment recombination signal sequence. Binds specifically to methylated DNA. Binds to the oxygen responsive element of COX4I2 and activates its

Target Details

transcription under hypoxia conditions (4 % oxygen) (By similarity). Negatively regulates the phagocyte oxidative burst in response to bacterial infection by repressing transcription of NADPH oxidase subunits (PubMed:26194095). {ECO:0000250|UniProtKB:P28159, ECO:0000250|UniProtKB:Q06330, ECO:0000269|PubMed:18381292, ECO:0000269|PubMed:26194095, ECO:0000269|PubMed:7566092}.

Molecular Weight: 58.5 kDa

UniProt: [P31266](#)

Pathways: [Notch Signaling](#), [Stem Cell Maintenance](#), [Smooth Muscle Cell Migration](#)

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