

Datasheet for ABIN7562408
SRPK2 Protein (AA 1-681) (His tag)



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Overview

Quantity:	1 mg
Target:	SRPK2
Protein Characteristics:	AA 1-681
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SRPK2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Srpk2 Protein expressed in mammalian cells.
Sequence:	MSVNSEKSSS SERPEPQQKA PLVPPPPPPP PPPPLPDPAP PEPEEEILGS DDEEQEDPAD YCKGGYHPVK IGDLFNGRYH VIRKLGWGHF STVWLCWDMQ GKRFVAMKVV KSAQHYTETA LDEIKLLKCV RESDPSDPNK DMVVQLIDDF KISGMNGIHV CMVFEVLGHH LLKWIISNY QGLPVRCVKS IIRQVLQGLD YLHSKCKIIH TDIKPENILM CVDDAYVRRM AAEATEWQKA GAPPPSGSAV STAPQQKPIG KISKNNKKKL KKKQKRQAELEKRLQEIEE LEREAERKIL EENITSAEAS GEQDGEYQPE VTLKAADLED TTEEETAKDN GEVEDQEEKE DAEKENAEKD EDDVEQELAN LDPTWVESPK ANGHIENGPF SLEQQLEDEE DDEDDCANPE EYNLDEPNAE SDYTYSSSYE QFNGELPNGQ HKTSEFPTPL FSGPLEPVAC GSVISEGSPL TEQEESSPSH DRSRTVSASS TGDLPKTKTR AADLLVNPLD PRNADKIRVK IADLGNACWV HKHFTEDIQT RQYRSIEVLI GAGYSTPADI WSTACMAFEL ATGDYLFEPH SGEDYSRDED HIAHIIELLG SIPRHFALSG KYSREFFNRR GELRHITKLLK PWSLFDVLVE KYGWPHEDAA QFTDFLIPML EMVPEKRASA GECLRHPWLN S Sequence without tag. The proposed Purification-Tag is

Product Details

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: SRPK2

Alternative Name: [Srpk2 \(SRPK2 Products\)](#)

Background: SRSF protein kinase 2 (EC 2.7.11.1) (SFPS protein kinase 2) (Serine/arginine-rich protein-specific kinase 2) (SR-protein-specific kinase 2) [Cleaved into: SRSF protein kinase 2 N-terminal, SRSF protein kinase 2 C-terminal],FUNCTION: Serine/arginine-rich protein-specific kinase which specifically phosphorylates its substrates at serine residues located in regions rich in arginine/serine dipeptides, known as RS domains and is involved in the phosphorylation of SR splicing factors and the regulation of splicing (PubMed:9446799). Promotes neuronal apoptosis by up-regulating cyclin-D1 (CCND1) expression (PubMed:19592491). This is done by the phosphorylation of SRSF2, leading to the suppression of p53/TP53 phosphorylation thereby relieving the repressive effect of p53/TP53 on cyclin-D1 (CCND1) expression (By similarity).

Target Details

Phosphorylates ACIN1, and redistributes it from the nuclear speckles to the nucleoplasm, resulting in cyclin A1 but not cyclin A2 up-regulation (By similarity). Plays an essential role in spliceosomal B complex formation via the phosphorylation of DDX23/PRP28 (By similarity). Probably by phosphorylating DDX23, leads to the suppression of incorrect R-loops formed during transcription, R-loops are composed of a DNA:RNA hybrid and the associated non-template single-stranded DNA (By similarity). {ECO:0000250|UniProtKB:P78362, ECO:0000269|PubMed:19592491, ECO:0000269|PubMed:9446799}.

Molecular Weight: 76.8 kDa

UniProt: [O54781](#)

Pathways: [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