

Datasheet for ABIN7555601
SPOCD1 Protein (AA 1-1216) (His tag)



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Overview

Quantity:	1 mg
Target:	SPOCD1
Protein Characteristics:	AA 1-1216
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPOCD1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SPOCD1 Protein expressed in mammalian cells.
Sequence:	MSQAGDVEGP STGDPVLSPQ HNCELLQNME GASSMPGLSP DPGGASSGPG VRAGSRRKIP RKEALRGGSS RAAGAAEVRP GVLELLAVVQ SRGSMLAPGL HMQLPSVPTQ GRALTSKRLQ VSLCDILDDS CPRKLCRSA GLPERALACR ERLAGVEEVS CLRPREARDG GMSSPGCDRR SPTLSKEEPP GRPLTSSPDP VPVVRVKKWR RQGAHSECEE GAGDFLWLDQ SPRGDNLLSV GDPPQVADLE SLGGPCRPPS PKDTGSGPGE PGGSGAGCAS GTEKFGYLPV TGDGPQPGSP CGPVGFVPS GGESLSSAAQ APPQSAALCL GASAQASAEQ QEAVCVVVTG SDEGQAPAQD QEELEAKAQP ASRGRLEQGL AAPADTCASS REPLGGLSSS LDTEASRACS GPFMEQRRSK GTKNLKKGVP PCAQDRGTDR SSDNSHQDRP EEPSPGGCPR LEEVKIPHGK KLVVYLGSGP VIQLLGAISH GQAGGQLPPK LEVLEDLMEV SSPSPAQLR RKKRPMVQGP AGCQVFQPS SGGTAGDPGG LSDPFYPPRS GSLALGDPSS DPACSQSGPM EAEEDSLPEQ PEDSAQLQQE KPSLYIGVRG TVVRSMQEV L WTRLRELDPD VLSEEVVEGI AAGIEAALWD LTQGTNGRYK TKYRSLLFNL RDPRLDLFL KVVHGDVTPY DLVRMSSMQL APQELARWRD QEEKRGLNII

Product Details

EQQKKEPCRL PASKMTHKGE VEIQRDMDQT LTLEDLVGPQ MFMDCCSPQAL PIASEDTTGQ
HDHFLDPNC HICKDWEPSN ELLGSFEAAK SCGDNIFQKA LSQTPMPAPE MPKTRELSPT
EPQDRVPPSG LHVPAAPTKA LPCLPPWEGV LDMFSIKRFR ARAQLVSGHS CRLVQALPTV
IRSAGCIPSN IVWDLASIC PAKAKDVCVW RLCPHGARDT QNCRLLYSYL NDRQRHGLAS
VEHMGMVLLP LPAFQPLPTR LRPLGGPGLW ALPVSPLLSP GLEVTHSSLL LAVLLPKEGL
PDTAGSSPWL GKVQKMVSFN SKVEKRYYPQ DRRPNVPLK GTPPPGGAWQ QSQGRGSIAP
RGISAWQRPP RGRGRLWPEP ENWQHPRGRGQ WPPEPGLRQS QHPYSVAPAG HGFGRGQHFH
RDSCPHQALL RHLESLATMS HQLQALLCPQ TKSSIPRPLQ RLSSALAAPE PPGPARDSSL
GPTDEAGSEC PFPRKA **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: SPOCD1

Alternative Name: SPOCD1 ([SPOCD1 Products](#))

Target Details

Background: SPOC domain-containing protein 1,FUNCTION: Essential executor of PIWIL4-piRNA pathway directed transposon DNA methylation and silencing in the male embryonic germ cells (By similarity). Associates with the de novo DNA methylation machinery and repressive chromatin remodeling complexes (By similarity). Tethering of PIWIL4 to a nascent transposable element transcript recruits repressive chromatin remodeling activities and the de novo methylation apparatus through SPOCD1 (By similarity). Not required for piRNA biosynthesis (By similarity). {ECO:0000250|UniProtKB:B1ASB6}.

Molecular Weight: 130.0 kDa

UniProt: [Q6ZMY3](#)

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
