

Datasheet for ABIN7546154
SPATA2 Protein (AA 1-520) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SPATA2
Protein Characteristics:	AA 1-520
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPATA2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SPATA2 Protein expressed in mammalien cells.
Sequence:	MGKPSSMDTK FKDDLFRKYV QFHESKVDTT TSRQRPGSDE CLRVAASTLL SLHKVDPFYR FRLIQFYEVV ESSLRSLSSS SLRALHGAFS MLETVGINLF LYPWKKEFRS IKTYTGPFVY YVKSTLLEED IRAILSCMGY TPELGTAYKL RELVETLQVK MVSFELFLAK VECEQMLEIH SQVKDKGYSE LDIVSERKSS AEDVRGCSDA LRRRAEGREH LTASMSRVAL QKSASERA AK DYYKPRVTKP SRSVDAYDSY WESRKPLKA SLSLRKEPVA TDVGDDLKDE IIRPSPSLLT MASSPHGSPD VLPPASPSNG PALLRGTYFS TQDDVDLYTD SEPRATYRRQ DALRPDVWLL RND AHSLYHK RSPPAKESAL SKCQCGLSC SSSLCQRCDS LLT CPPASKP SAFPSKASTH DSL AHGASLR EKYPGQTQGL DRLPHLHSHS KPSTTPTSRC GFCNRPGATN TCTQC SKVSC DACLSAYHYD PCYKSELHK FMPNNQLNYK STQLSHLVYR 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

Product Details

request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

SPATA2

Alternative Name:

SPATA2 ([SPATA2 Products](#))

Background:

Spermatogenesis-associated protein 2,FUNCTION: Bridging factor that mediates the recruitment of CYLD to the LUBAC complex, thereby regulating TNF-alpha-induced necroptosis (PubMed:27307491, PubMed:27458237, PubMed:27545878, PubMed:27591049). Acts as a direct binding intermediate that bridges RNF31/HOIP, the catalytic subunit of the LUBAC complex, and the deubiquitinase (CYLD), thereby recruiting CYLD to the TNF-R1 signaling complex (TNF-RSC) (PubMed:27458237, PubMed:27545878, PubMed:27591049). Required to activate the 'Met-1'- (linear) and 'Lys-63'-linked deubiquitinase activities of CYLD (PubMed:27458237, PubMed:27591049). Controls the kinase activity of RIPK1 and TNF-alpha-induced necroptosis by promoting 'Met-1'-linked deubiquitination of RIPK1 by CYLD (By similarity). {ECO:0000250|UniProtKB:Q8K004, ECO:0000269|PubMed:27307491, ECO:0000269|PubMed:27458237, ECO:0000269|PubMed:27545878, ECO:0000269|PubMed:27591049}.

Target Details

Molecular Weight: 58.4 kDa

UniProt: [Q9UM82](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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