

Datasheet for ABIN7555602
SPATA13 Protein (AA 1-652) (His tag)



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Overview

Quantity:	1 mg
Target:	SPATA13
Protein Characteristics:	AA 1-652
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPATA13 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SPATA13 Protein expressed in mammalian cells.
Sequence:	<p>MTSASPEDQN APVGCPKGAR RRRPISVIGG VSLYGTNQTE ELDNLLTQPA SRPPMPAHQV PPYKAVSARF RPFTFSQSTP IGLDRVGRRR QMRASNVSSD GGTEPSALVD DNGSEEDFSY EDLCQASPRY LQPGGEQLAI NELISDGNVV CAEALWDHVT MDDQELGFKA GDVIQVLEAS NKDWWWGRSE DKEAWFPASF VRLRVNQEEL SENSSSTPSE EQDEEASQSR HRHCENKQQM RTNVIREIMD TERVYIKHLR DICEGYIRQC RKHTGMFTVA QLATIFGNIE DIYKFQRKFL KDLEKQYNKE EPHLSEIGSC FLQNQEGFAI YSEYCNNHPG ACLELANLMK QGKYRHFFEA CRLQMQMIDI AIDGFLTPV QKICKYPLQL AELLKYTTQE HGDYSNIKAA YEAMKNVACL INERKRKLES IDKIARWQVS IVGWEGLDIL DRSSSELIHSG ELTKITKQGK SQQRTFFLFD HQLVSCKKDL LRRDMLYYKG RLDMDDEMELV DLGDGRDKDC NLSVKNAFKL VSRTTDEVYL FCAKKQEDKA RWLQACADER RRVQEDKEMG MEISENQKKL AMLNAQKAGH GKSKGYNRCF VAPPHQGLHP IHQRHITMPT SVPQQQVFGL AEPKRKSSLF WHTFNRLTPF RK Sequence</p>

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.

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:

SPATA13

Alternative Name:

SPATA13 ([SPATA13 Products](#))

Background:

Spermatogenesis-associated protein 13 (APC-stimulated guanine nucleotide exchange factor 2) (Asef2),FUNCTION: Acts as a guanine nucleotide exchange factor (GEF) for RHOA, RAC1 and CDC42 GTPases. Regulates cell migration and adhesion assembly and disassembly through a RAC1, PI3K, RHOA and AKT1-dependent mechanism. Increases both RAC1 and CDC42 activity, but decreases the amount of active RHOA. Required for MMP9 up-regulation via the JNK signaling pathway in colorectal tumor cells. Involved in tumor angiogenesis and may play a role in intestinal adenoma formation and tumor progression. {ECO:0000269|PubMed:17145773, ECO:0000269|PubMed:17599059, ECO:0000269|PubMed:19151759, ECO:0000269|PubMed:19893577, ECO:0000269|PubMed:19934221}.

Molecular Weight:

74.8 kDa

Target Details

UniProt: [Q96N96](#)

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