Datasheet for ABIN7554276

SPAG9 Protein (AA 1-1321) (His tag)

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Overview

Quantity:	1 mg
Target:	SPAG9
Protein Characteristics:	AA 1-1321
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPAG9 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SPAG9 Protein expressed in mammalien cells.
Sequence:	MELEDGVVYQ EEPGGSGAVM SERVSGLAGS IYREFERLIG RYDEEVVKEL MPLVVAVLEN LDSVFAQDQE HQVELELLRD DNEQLITQYE REKALRKHAE EKFIEFEDSQ EQEKKDLQTR VESLESQTRQ LELKAKNYAD QISRLEEREA ELKKEYNALH QRHTEMIHNY MEHLERTKLH QLSGSDQLES TAHSRIRKER PISLGIFPLP AGDGLLTPDA QKGGETPGSE QWKFQELSQP RSHTSLKVSN SPEPQKAVEQ EDELSDVSQG GSKATTPAST ANSDVATIPT DTPLKEENEG FVKVTDAPNK SEISKHIEVQ VAQETRNVST GSAENEEKSE VQAIIESTPE LDMDKDLSGY KGSSTPTKGI ENKAFDRNTE SLFEELSSAG SGLIGDVDEG ADLLGMGREV ENLILENTQL LETKNALNIV KNDLIAKVDE LTCEKDVLQG ELEAVKQAKL KLEEKNRELE EELRKARAEA EDARQKAKDD DDSDIPTAQR KRFTRVEMAR VLMERNQYKE RLMELQEAVR WTEMIRASRE NPAMQEKKRS SIWQFFSRLF SSSSNTTKKP EPPVNLKYNA PTSHVTPSVK KRSSTLSQLP GDKSKAFDFL SEETEASLAS RREQKREQYR QVKAHVQKED GRVQAFGWSL PQKYKQVTNG

Product Details

	QGENKMKNLP VPVYLRPLDE KDTSMKLWCA VGVNLSGGKT RDGGSVVGAS VFYKDVAGLD TEGSKQRSAS QSSLDKLDQE LKEQQKELKN QEELSSLVWI CTSTHSATKV LIIDAVQPGN ILDSFTVCNS HVLCIASVPG ARETDYPAGE DLSESGQVDK ASLCGSMTSN SSAETDSLLG GITVVGCSAE GVTGAATSPS TNGASPVMDK PPEMEAENSE VDENVPTAEE ATEATEGNAG SAEDTVDISQ TGVYTEHVFT DPLGVQIPED LSPVYQSSND SDAYKDQISV LPNEQDLVRE EAQKMSSLLP TMWLGAQNGC LYVHSSVAQW RKCLHSIKLK DSILSIVHVK GIVLVALADG TLAIFHRGVD GQWDLSNYHL LDLGRPHHSI RCMTVVHDKV WCGYRNKIYV VQPKAMKIEK SFDAHPRKES QVRQLAWVGD GVWVSIRLDS TLRLYHAHTY QHLQDVDIEP YVSKMLGTGK LGFSFVRITA LMVSCNRLWV GTGNGVIISI PLTETNKTSG VPGNRPGSVI RVYGDENSDK VTPGTFIPYC SMAHAQLCFH GHRDAVKFFV AVPGQVISPQ SSSSGTDLTG DKAGPSAQEP GSQTPLKSML VISGGEGYID FRMGDEGGES ELLGEDLPLE PSVTKAERSH LIVWQVMYGN E **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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:	SPAG9

Target Details

Alternative Name:	SPAG9 (SPAG9 Products)
Background:	C-Jun-amino-terminal kinase-interacting protein 4 (JIP-4) (JNK-interacting protein 4) (Cancer/testis antigen 89) (CT89) (Human lung cancer oncogene 6 protein) (HLC-6) (JNK-associated leucine-zipper protein) (JLP) (Mitogen-activated protein kinase 8-interacting protein 4) (Proliferation-inducing protein 6) (Protein highly expressed in testis) (PHET) (Sperm surface protein) (Sperm-associated antigen 9) (Sperm-specific protein) (Sunday driver 1),FUNCTION: The JNK-interacting protein (JIP) group of scaffold proteins selectively mediates JNK signaling by aggregating specific components of the MAPK cascade to form a functional JNK signaling module (PubMed:14743216). Regulates lysosomal positioning by acting as an adapter protein which links PIP4P1-positive lysosomes to the dynein-dynactin complex (PubMed:29146937). Assists PIKFYVE selective functionality in microtubule-based endosome-to-TGN trafficking (By similarity). {ECO:0000250|UniProtKB:Q58A65, ECO:0000269|PubMed:14743216, ECO:0000269|PubMed:29146937}.
Molecular Weight:	146.2 kDa
UniProt:	O60271
Pathways:	Regulation of Muscle Cell Differentiation

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