Datasheet for ABIN7563795

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

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Overview

Quantity:	1 mg
Target:	SPAG9
Protein Characteristics:	AA 1-1321
Origin:	Mouse
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 QLSGSDQLEA TAHSRIRKER PISLGIFPLP AGDGLLTPDT QKGGETPGSE QWKFQELSQP RSHTSLKVSH SPEPPKAVEQ EDELSDISQG GSKATTPAST ANSDVSAIPP DTPSKEDNEG FVKGTDTSNK SEISKHIEVQ VAQETRNVST ESGENEEKSE VQAIIESTPE LDMDKDLSGY KGSSTPTKGI ENKAFDRNTE SLFEELSSAG SGLIGDVDEG ADLLGMGREV ENLILENTQL LETKNALNVV KNDLIAKVDE LTCEKDVLQG ELEAVKQAKL KLEDKNRELE EELRKARAEA EDARQKAKDD DDSDIPTAQR KRFTRVEMAR VLMERNQYKE RLMELQEAVR WTEMIRASRE NPAMQEKKRS SIWQFFSRLF SSSSNATKKP EPPVNLKYNA PTSHVTPSVK KRSSTLSQLP GDKSKAFDFL SEETEASLAS RREQKREQYR QVKAHVQKED GRVQAFGWSL PQKYKQVANG

Product Details

	QGETKMKNLP VPVYLRPLDE KDASMKLWCA VGVNLSGGKT RDGGSVVGAS VFYKDIAGLD TEGSKQRSAS QSSLDKLDQE LKEQQKEFKN QEELSSQVWI CTSTHSTTKV IIIDAVQPGN ILDSFTVCNS HVLCIASVPG ARETDYPAGE ELSESGQVDK ASLCGSMTSN SSAEMDSLLG GITVVGCSTE GLTGAATSPS TNGASPVIEK PPEMETENSE VDENIPTAEE ATEATEGNAG STEDTVDISQ PGVYTEHVFT DPLGVQIPED LSPVFQSSND SDVYKDQISV LPNEQDLARE EAQKMSSLLP TMWLGAQNGC LYVHSSVAQW RKCLHSIKLK DSILSIVHVK GIVLVALADG TLAIFHRGVD GQWDLSNYHL LDLGRPHHSI RCMTVVHDKV WCGYRNKIYV VQPKAMKIEK SFDAHPRKES QVRQLAWVGD GVWVSIRLDS TLRLYHAHTY QHLQDVDIEP YVSKMLGTGK LGFSFVRITA LMVSCNRLWV GTGNGVIISI PLTETNKTSG TPGNRPGSVI RVYGDENSDK VTPGTFIPYC SMAHAQLCFH GHRDAVKFFV AVPGQVISPQ SSSGGADLTA DKAGSSAQEP SSQTPLKSML VISGGEGYID FRMGDEGGES ELLGEDLPLE PSVTKAERSH LIVWQVMCGN 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) (JNK-associated leucine-zipper protein) (JLP) (JNK/SAPK-associated protein 2) (JSAP2) (Mitogen-activated protein kinase 8-interacting protein 4) (Sperm-associated antigen 9),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:12391307, PubMed:15767678). Regulates lysosomal positioning by acting as an adapter protein which links PIP4P1-positive lysosomes to the dynein-dynactin complex (By similarity). Assists PIKFYVE selective functionality in microtubule-based endosome-to-TGN trafficking (PubMed:19056739). {ECO:0000250|UniProtKB:O60271, ECO:0000269|PubMed:12391307, ECO:0000269|PubMed:15767678, ECO:0000269|PubMed:19056739}.
Molecular Weight:	146.2 kDa
UniProt:	Q58A65
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