

Datasheet for ABIN7565065
JIP3 Protein (AA 1-1337) (His tag)



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Overview

Quantity:	1 mg
Target:	JIP3 (MAPK8IP3)
Protein Characteristics:	AA 1-1337
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This JIP3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Mapk8ip3 Protein expressed in mammalian cells.
Sequence:	MMEIQMDEGG GVVVYQDDYC SGSVMSERVS GLAGSIYREF ERLHCYDEE VKELMPLVV NVLENLDSVL SENQEHEVEL ELLREDNEQL LTQYEREKAL RKQAEKFIE FEDALEQEKK ELQIQVEHYE FQTRQLELKA KNYADQISRL EERESEMKKE YNALHQRHTE MIQTYVEHIE RSKMQQVGGS GQTESSLPGR SRKERPTSLN VFPLADGMVR AQMGGKLVPA GDHWHLSDLG QLQSSSSYQC PNDEMSSEGQ SSAAATPSTT GTKSNTPTSS VPSAAVTPLN ESLQPLGDYV SVTKNNKQAR EKRNSRNMEV QVTQEMRNVS IGMGSSDEWS DVQDIIDSTP ELDVCPETRL ERTGSSPTQG IVNKAFGIN TDSLYHELSTA GSEVIGDVDE GADLLGEFSV RDDFFGMGKE VGNLLLENSQ LLETKNALNV VKNDLIAKVD QLSGSEQEVLK GELEAAKQAK VKLENRIKEL EEELKRVKSE AVTARREPRE EVEDVSSYLC TELDKIPMAQ RRRFTRVEMA RVLME RNQYK ERLMELQEAV RWTEMIRASR EHPSVQEKKK STIWQFFSRL FSSSSSPPPA KRSYPSVNIH YKSPTAAGFS QRRSHALCQI SAGSRPLEFF PDDDCTSSAR REQKREQYRQ VREHVRNDDG

RLQACGWSLP AKYKQLSPNG GQEDTRMKNV PVPVYCRPLV EKDPSTKLWC AAGVNLSGWK
PHEEDSSNGP KPVPGRDPLT CDREGEGERPK STHPSPEKKK AKETPEADAT SSRVWILTST
LTTSKVVIID ANQPGTIVDQ FTVCNHAVLC ISSIPAASDS DYPPGEMFLD SDVNPEDSGA
DGVLAGITLV GCATRCNVPR SNCSSRGDTP VLDKGQGDVA TTANGKVNPS QSTEEATEAT
EVPDPGPSES EATTVRPGPL TEHVFTDPAP TPSSSTQPAS ENGSESNGTI VQPQVEPSGE
LSTTTSSAAP TMWLGAQNGW LYVHSAVANW KKCLHSIKLK DSVLSLVHVK GRVLVALADG
TLAIFHRGED GQWDLSNYHL MDLGHPHHSI RCMAVVNDRV WCGYKNKVHV IQPKTMQIEK
SFDAHPRRES QVRQLAWIGD GVWVSIRLDS TRLRYHAHTH QHLQDVDIEP YVSKMLGTGK
LGFSFVRITA LLIAGNRLWV GTGNGVVISI PLTETVVLHR GQLLGLRANK TSPTSSEGTR
PGGIIHVGVD DSSDKAASSF IPYCSMAQAQ LCFHGHRDAV KFFVSVPGNV LATLNGSVLD
SPSEGGPAA PAADAEGQKL KNALVLSGGE GYIDFRIGDG EDDETEECAG DVNQTKPSLS
KAERSHIIWV QVSYTPE **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 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.
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	JIP3 (MAPK8IP3)
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Target Details

Alternative Name:	Mapk8ip3 (MAPK8IP3 Products)
Background:	C-Jun-amino-terminal kinase-interacting protein 3 (JIP-3) (JNK-interacting protein 3) (JNK MAP kinase scaffold protein 3) (JNK/SAPK-associated protein 1) (JSAP1) (Mitogen-activated protein kinase 8-interacting protein 3) (Sunday driver 2),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. May function as a regulator of vesicle transport, through interactions with the JNK-signaling components and motor proteins (PubMed:10523642, PubMed:10629060). Promotes neuronal axon elongation in a kinesin- and JNK-dependent manner (PubMed:23576431, PubMed:25944905, PubMed:28259553). Activates cofilin at axon tips via local activation of JNK, thereby regulating filopodial dynamics and enhancing axon elongation (PubMed:23576431, PubMed:25944905, PubMed:28259553). Its binding to kinesin heavy chains (KHC), promotes kinesin-1 motility along microtubules and is essential for axon elongation and regeneration (PubMed:23576431, PubMed:25944905, PubMed:28259553). Regulates cortical neuronal migration by mediating NTRK2/TRKB anterograde axonal transport during brain development (PubMed:23576431, PubMed:25944905, PubMed:28259553). Acts as an adapter that bridges the interaction between NTRK2/TRKB and KLC1 and drives NTRK2/TRKB axonal but not dendritic anterograde transport, which is essential for subsequent BDNF-triggered signaling and filopodia formation (PubMed:23576431, PubMed:25944905, PubMed:28259553). {ECO:0000269 PubMed:10523642, ECO:0000269 PubMed:10629060, ECO:0000269 PubMed:23576431, ECO:0000269 PubMed:25944905, ECO:0000269 PubMed:28259553}.
Molecular Weight:	147.6 kDa
UniProt:	Q9ESN9

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
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Handling

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