Datasheet for ABIN7554242

JIP3 Protein (AA 1-1336) (His tag)

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Overview

Quantity:	1 mg
Target:	JIP3 (MAPK8IP3)
Protein Characteristics:	AA 1-1336
Origin:	Human
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 mammalien cells.
Sequence:	MMEIQMDEGG GVVVYQDDYC SGSVMSERVS GLAGSIYREF ERLIHCYDEE VVKELMPLVV NVLENLDSVL SENQEHEVEL ELLREDNEQL LTQYEREKAL RRQAEEKFIE FEDALEQEKK ELQIQVEHYE FQTRQLELKA KNYADQISRL EERESEMKKE YNALHQRHTE MIQTYVEHIE RSKMQQVGGN SQTESSLPGR RKERPTSLNV FPLADGTVRA QIGGKLVPAG DHWHLSDLGQ LQSSSSYQCP QDEMSESGQS SAAATPSTTG TKSNTPTSSV PSAAVTPLNE SLQPLGDYGV GSKNSKRARE KRDSRNMEVQ VTQEMRNVSI GMGSSDEWSD VQDIIDSTPE LDMCPETRLD RTGSSPTQGI VNKAFGINTD SLYHELSTAG SEVIGDVDEG ADLLGEFSVR DDFFGMGKEV GNLLLENSQL LETKNALNVV KNDLIAKVDQ LSGEQEVLRG ELEAAKQAKV KLENRIKELE EELKRVKSEA IIARREPKEE AEDVSSYLCT ESDKIPMAQR RRFTRVEMAR VLMERNQYKE RLMELQEAVR WTEMIRASRE HPSVQEKKKS TIWQFFSRLF SSSSSPPPAK RPYPSVNIHY KSPTTAGFSQ RRNHAMCPIS AGSRPLEFFP DDDCTSSARR EQKREQYRQV REHVRNDDGR

Product Details

	LQACGWSLPA KYKQLSPNGG QEDTRMKNVP VPVYCRPLVE KDPTMKLWCA AGVNLSGWRP NEDDAGNGVK PAPGRDPLTC DREGDGEPKS AHTSPEKKKA KELPEMDATS SRVWILTSTL TTSKVVIIDA NQPGTVVDQF TVCNAHVLCI SSIPAASDSD YPPGEMFLDS DVNPEDPGAD GVLAGITLVG CATRCNVPRS NCSSRGDTPV LDKGQGEVAT IANGKVNPSQ STEEATEATE VPDPGPSEPE TATLRPGPLT EHVFTDPAPT PSSGPQPGSE NGPEPDSSST RPEPEPSGDP TGAGSSAAPT MWLGAQNGWL YVHSAVANWK KCLHSIKLKD SVLSLVHVKG RVLVALADGT LAIFHRGEDG QWDLSNYHLM DLGHPHHSIR CMAVVYDRVW CGYKNKVHVI QPKTMQIEKS FDAHPRRESQ VRQLAWIGDG VWVSIRLDST LRLYHAHTHQ HLQDVDIEPY VSKMLGTGKL GFSFVRITAL LVAGSRLWVG TGNGVVISIP LTETVVLHRG QLLGLRANKT SPTSGEGARP GGIIHVYGDD SSDRAASSFI PYCSMAQAQL CFHGHRDAVK FFVSVPGNVL ATLNGSVLDS PAEGPGPAAP ASEVEGQKLR NVLVLSGGEG YIDFRIGDGE DDETEEGAGD MSQVKPVLSK AERSHIIVWQ VSYTPE **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:	JIP3 (MAPK8IP3)

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) (Mitogen-activated protein kinase 8-interacting protein 3),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:12189133). May function as a regulator of vesicle transport, through interactions with the JNK-signaling components and motor proteins (By similarity). Promotes neuronal axon elongation in a kinesin- and JNK-dependent manner. Activates cofilin at axon tips via local activation of JNK, thereby regulating filopodial dynamics and enhancing axon elongation. Its binding to kinesin heavy chains (KHC), promotes kinesin-1 motility along microtubules and is essential for axon elongation and regeneration. Regulates cortical neuronal migration by mediating NTRK2/TRKB anterograde axonal transport during brain development (By similarity). 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:21775604). {ECO:0000250|UniProtKB:Q9ESN9, ECO:0000269|PubMed:12189133, ECO:0000269|PubMed:21775604}.
Molecular Weight:	147.5 kDa
UniProt:	Q9UPT6

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.

Handling

Expiry Date:	12 months