Datasheet for ABIN7554198

MAPK8IP1 Protein (AA 1-711) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	MAPK8IP1
Protein Characteristics:	AA 1-711
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAPK8IP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MAPK8IP1 Protein expressed in mammalien cells.
Sequence:	MAERESGGLG GGAASPPAAS PFLGLHIASP PNFRLTHDIS LEEFEDEDLS EITDECGISL QCKDTLSLRP PRAGLLSAGG GGAGSRLQAE MLQMDLIDAT GDTPGAEDDE EDDDEERAAR RPGAGPPKAE SGQEPASRGQ GQSQGQSQGP GSGDTYRPKR PTTLNLFPQV PRSQDTLNNN SLGKKHSWQD RVSRSSSPLK TGEQTPPHEH ICLSDELPPQ SGPAPTTDRG TSTDSPCRRS TATQMAPPGG PPAAPPGGRG HSHRDRIHYQ ADVRLEATEE IYLTPVQRPP DAAEPTSAFL PPTESRMSVS SDPDPAAYPS TAGRPHPSIS EEEEGFDCLS SPERAEPPGG GWRGSLGEPP PPPRASLSSD TSALSYDSVK YTLVVDEHAQ LELVSLRPCF GDYSDESDSA TVYDNCASVS SPYESAIGEE YEEAPRPQPP ACLSEDSTPD EPDVHFSKKF LNVFMSGRSR SSSAESFGLF SCIINGEEQE QTHRAIFRFV PRHEDELELE VDDPLLVELQ AEDYWYEAYN MRTGARGVFP AYYAIEVTKE PEHMAALAKN SDWVDQFRVK FLGSVQVPYH KGNDVLCAAM QKIATTRRLT VHFNPPSSCV LEISVRGVKI GVKADDSQEA KGNKCSHFFQ LKNISFCGYH PKNNKYFGFI

Product Details

	TKHPADHRFA CHVFVSEDST KALAESVGRA FQQFYKQFVE YTCPTEDIYL 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:	MAPK8IP1
Alternative Name:	MAPK8IP1 (MAPK8IP1 Products)
Background:	C-Jun-amino-terminal kinase-interacting protein 1 (JIP-1) (JNK-interacting protein 1) (Islet-brain 1) (IB-1) (JNK MAP kinase scaffold protein 1) (Mitogen-activated protein kinase 8-interacting protein 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. Required for JNK activation in response to excitotoxic stress. Cytoplasmic MAPK8IP1 causes inhibition of JNK-regulated activity by retaining JNK in the cytoplasm and inhibiting JNK phosphorylation of c-Jun. May also participate in ApoER2-specific reelin signaling. Directly, or indirectly, regulates GLUT2 gene expression and beta-cell function. Appears to have a role in cell signaling in mature and developing nerve terminals. May

Target Details

	function as a regulator of vesicle transport, through interactions with the JNK-signaling components and motor proteins. Functions as an anti-apoptotic protein and whose level seems to influence the beta-cell death or survival response. Acts as a scaffold protein that coordinates with SH3RF1 in organizing different components of the JNK pathway, including RAC1 or RAC2, MAP3K11/MLK3 or MAP3K7/TAK1, MAP2K7/MKK7, MAPK8/JNK1 and/or MAPK9/JNK2 into a functional multiprotein complex to ensure the effective activation of the JNK signaling pathway. Regulates the activation of MAPK8/JNK1 and differentiation of CD8(+) T-cells. {ECO:0000250|UniProtKB:Q9WVI9}.
Molecular Weight:	77.5 kDa
UniProt:	Q9UQF2

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

