

Datasheet for ABIN7554446

MAP3K11 Protein (AA 1-847) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MAP3K11
Protein Characteristics:	AA 1-847
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP3K11 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MAP3K11 Protein expressed in mammalian cells.
Sequence:	<p>MEPLKSLFLK SPLGSWNGSG SGGGGGGGGG RPEGSPKAAG YANPVWTALF DYEPSGQDEL</p> <p>ALRKGDRVEV LSRDAAISGD EGWWAGQVGG QVGIFPSNYV SRGGGPPPCV VASFQELRLE</p> <p>EVIGIGGFGK VYRGSWRGEL VAVKAARQDP DEDISVTAES VRQEARLFAM LAHPNIIALK</p> <p>AVCLEEPNLC LVMEYAAGGP LSRALAGRRV PPHVLVNWAV QIARGMHYLYH CEALVPVIHR</p> <p>DLKSNNILLL QPIESDDMEH KTLKITDFGL AREWHKTTQM SAAGTYAWMA PEVIKASTFS</p> <p>KGSDVWSFGV LLWELLTGEV PYRGIDCLAV AYGVAVNKLTL LPISTCPEP FAQLMADCWA</p> <p>QDPHRRPDFA SILQQLEALE AQLVREMPRD SFHSMQEGWK REIQGLFDEL RAKEKELLSR</p> <p>EEELTRAARE QRSQAEQLRR REHLLAQWEL EVFERELTLL LQQVDRERPH VRRRRGTFRK</p> <p>SKLRARDGGE RISMPDLFKH RITVQASPL DRRRNVEVPG PGDSPTFPFRF RAIQLEPAEP</p> <p>GQAWGRQSPR RLEDSSNGER RACWAWGPSS PKPGEAQNGR RRSRMDEATW YLDSDDSSPL</p> <p>GSPSTPPALN GNPPRPSLEP EEPKRPVPAE RGSSSGTPKL IQRALLRGTA LLASLGLGRD</p>

LQPPGGPGRE RGEPTTPPT PTPAPCPTP PPSPLICFSL KTPDSPPTPA PLLLDLGIPV
GQSAKSPRR EEEPRGGTVS PPPGTSRAP GTPGTPRSPP LGLISRPRPS PLRSRIDPWS
FVSAGPRPSP LPSPQPAPRR APWTLFPDSD PFWDSPPANP FQGGPQDCRA QTKDMGAQAP
WVPEAGP **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	MAP3K11
Alternative Name:	MAP3K11 (MAP3K11 Products)
Background:	Mitogen-activated protein kinase kinase kinase 11 (EC 2.7.11.25) (Mixed lineage kinase 3) (Src-homology 3 domain-containing proline-rich kinase),FUNCTION: Activates the JUN N-terminal pathway. Required for serum-stimulated cell proliferation and for mitogen and cytokine activation of MAPK14 (p38), MAPK3 (ERK) and MAPK8 (JNK1) through phosphorylation and activation of MAP2K4/MKK4 and MAP2K7/MKK7. Plays a role in mitogen-stimulated phosphorylation and activation of BRAF, but does not phosphorylate BRAF directly. Influences microtubule organization during the cell cycle. {ECO:0000269 PubMed:12529434,

Target Details

	ECO:0000269 PubMed:15258589, ECO:0000269 PubMed:8195146, ECO:0000269 PubMed:9003778}.
Molecular Weight:	92.7 kDa
UniProt:	Q16584
Pathways:	MAPK Signaling, Interferon-gamma Pathway

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