

Datasheet for ABIN7554484

MAP3K9 Protein (AA 1-1104) (His tag)



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Overview

Quantity:	1 mg
Target:	MAP3K9
Protein Characteristics:	AA 1-1104
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP3K9 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MAP3K9 Protein expressed in mammalian cells.
Sequence:	<p>MEPSRALLGC LASAAAAAPP GEDGAGAGAE EEEEEEEAA AAVGPGLGC DAPLPYWTAV</p> <p>FEYEAAGEDE LTLRLGDVVE VLSKDSQVSG DEGWWTGQLN QRVGIFPSNY VTPRSAFSSR</p> <p>CQPGGEDPSC YPIQLLEID FAELTLEEII GIGGFGKVYR AFWIGDEVAV KAARHDPDED</p> <p>ISQTIENVRQ EAKLFAMLKH PNIIALRGVC LKEPNLCLVM EFARGGPLNR VLSGKRIPPD</p> <p>ILVNWAVQIA RGMNYLHDEA IVPIIHRDLK SSNIIILQKV ENGDLSNKIL KITDFGLARE</p> <p>WHRTTKMSAA GTYAWMAPEV IRASMFSGS DVWSYGVLLW ELLTGEVPFR GIDGLAVAYG</p> <p>VAMNKLALPI PSTCPEPFAK LMEDCWNPDP HSRPSFTNIL DQLTTIEESG FFEMPKDSFH</p> <p>CLQDNWKHEI QEMFDQLRAK EKELRTWEEE LTRALQQKN QEELLRRREQ ELAEREIDIL</p> <p>ERELNIIHQ LCQEKPRVKK RKGKFRKSRL KLKDGNRISL PSDFQHKFTV QASPTMDKRK</p> <p>SLINSRSSPP ASPTIIPRLR AIQLTPGESS KTWGRSSVVP KEEGEEEEKR APKKKGRTWG</p> <p>PGTLGQKELA SGDEGSPQRR EKANGLSTPS ESPHFHLGLK SLVDGYKQWS SSAPNLVKGP</p>

RSSPALPGFT SLMEMEDED EGP GSGESRL QHSPSQSYLC IPFPRGEDGD GPSSDGIHEE
PTPVNSATST PQLTPTNSLK RGGAHHRRCE VALLGCGAVL AATGLGFDLL EAGKCQLLPL
EEPEPPAREE KKRREGLFQR SSRPRRSTSP PSRKLFKKEE PMLLLGDPSA SLTLLSLSSI
SECNSTRSLL RSDSDEIVVY EMPVSPVEAP PLSPCTHNPL VNV RVERFKR DPNQSLTPTH
VTLTPSQPS SHRRTPSDGA LKPETLLASR SPSSNGLSPS PGAGMLKTPS PSRDPGEFPR
LPDPNVVFPP TPRRWNTQQD STLERPKTLE FLPRPRPSAN RQRLDPWWFV SPSHARSTSP
ANSSSTETPS NLDSCFASSS STVEERPGLP ALLPFQAGPL PPTERTLLDL DAEGQSQDST
VPLCRAELNT HRPAPYEQE EFWS

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:	MAP3K9
Alternative Name:	MAP3K9 (MAP3K9 Products)
Background:	Mitogen-activated protein kinase kinase kinase 9 (EC 2.7.11.25) (Mixed lineage kinase 1),FUNCTION: Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. Plays an important role in the cascades of cellular

Target Details

responses evoked by changes in the environment. Once activated, acts as an upstream activator of the MKK/JNK signal transduction cascade through the phosphorylation of MAP2K4/MKK4 and MAP2K7/MKK7 which in turn activate the JNKs. The MKK/JNK signaling pathway regulates stress response via activator protein-1 (JUN) and GATA4 transcription factors. Also plays a role in mitochondrial death signaling pathway, including the release cytochrome c, leading to apoptosis. {ECO:0000269|PubMed:11416147, ECO:0000269|PubMed:15610029}.

Molecular Weight: 121.9 kDa

UniProt: [P80192](#)

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