

Datasheet for ABIN7554457

MAP4K1 Protein (AA 1-833) (His tag)



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Overview

Quantity:	1 mg
Target:	MAP4K1
Protein Characteristics:	AA 1-833
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP4K1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MAP4K1 Protein expressed in mammalian cells.
Sequence:	<p>MDVVDPDFIN RDPRDHYDLL QRLGGGTYGE VFKARDKVSG DLVALKMOVKM EPDDDVSTLQ</p> <p>KEILILKTCR HANIVAYHGS YLWLQKLWIC MEFCGAGSLQ DIYQVTGSLS ELQISYVCRE</p> <p>VLQGLAYLHS QKKIHRDIKG ANILINDAGE VRLADFGISA QIGATLARRL SFIGTPYWMA</p> <p>PEVAAVALKG GYNELCDIWS LGITAIELAE LQPPLFDVHP LRVFLMTKS GYQPPRLKEK</p> <p>GKWSAAFHNF IKVTLTKSPK KRPSATKMLS HQLVSQPGLN RGLILDLLDK LKNPGKGPSI</p> <p>GDIEDEEPEL PPAIPRRIRS THRSSLGIP DADCCRRHME FRKLGRMETR PPANTARLQP</p> <p>PRDLRSSSPR KQLSESSDDD YDDVDIPTPA EDTPPPLPPK PKFRSPSDEG PGSMGDDGQL</p> <p>SPGVLVRCAS GPPPNSPRPG PPPSTSSPHL TAHSEPSLWN PPSRELDKPP LLPPKKEKMK</p> <p>RKGCALLVKL FNGCPLRIHS TAAWTHPSTK DQHLLLGAE GFIILNRNDQ EATLEMLFPS</p> <p>RTTWVYSINN VLMSLSGKTP HLYSHSILGL LERKETRAGN PIAHISPHRL LARKNMVSTK</p> <p>IQDTKGCAC CVAEGASSGG PFLCGALET VLLQWYQPM NKFLVLRQVL FPLPTPLSVF</p>

Product Details

ALLTGPGESEL PAVCIGVSPG RPGKSVLFHT VRFGALSCWL GEMSTEHRGP VQVTQVEEDM
VMVLMDGSVK LVTPEGSPVR GLRTPEIPMT EAVEAVAMVG GQLQAFWKHG VQVWALGSDQ
LLQELRDPTL TFRLLGSPRL ECSGTISPHC NLLLPSSNS PASASRVAGI TGL **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:	MAP4K1
Alternative Name:	MAP4K1 (MAP4K1 Products)
Background:	Mitogen-activated protein kinase kinase kinase kinase 1 (EC 2.7.11.1) (Hematopoietic progenitor kinase) (MAPK/ERK kinase kinase kinase 1) (MEK kinase kinase 1) (MEKKK 1),FUNCTION: Serine/threonine-protein kinase, which may play a role in the response to environmental stress (PubMed:24362026). Appears to act upstream of the JUN N-terminal pathway (PubMed:8824585). May play a role in hematopoietic lineage decisions and growth regulation (PubMed:8824585, PubMed:24362026). Able to autophosphorylate (PubMed:8824585). Together with CLNK, it enhances CD3-triggered activation of T-cells and

Target Details

	subsequent IL2 production (By similarity). {ECO:0000250 UniProtKB:P70218, ECO:0000269 PubMed:24362026, ECO:0000269 PubMed:8824585}.
Molecular Weight:	91.3 kDa
UniProt:	Q92918
Pathways:	TCR Signaling , Signaling of Hepatocyte Growth Factor Receptor

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