Datasheet for ABIN7563516

MAP4K1 Protein (AA 1-827) (His tag)

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Overview

Quantity:	1 mg
Target:	MAP4K1
Protein Characteristics:	AA 1-827
Origin:	Mouse
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 mammalien cells.
Sequence:	MALVDPDIFN KDPREHYDLL QRLGGGTYGE VFKARDKVSK DLVALKMVKM EPDDDVATLQ KEILMLKTCR HANIVAYHGS YLWLQKLWIC MEFCGAGSLQ DIYQVTGSLS ELQISYVCRE VLQGLAYLHS EKKIHRDIKG ANILINDCGE VKLADFGISA QIGATLARRL SFIGTPYWMA PEVAAVALKG GYNELCDIWS LGITAIELAE LQPPLFDVHP LRVLFLMTKS GYQPPRLKEK SRWSSSFHNF VKVTLTKNSK KRPSATKMLS HQLVSQPGLN RGLILDLLDK MKNPGKGLPV DIEDEEPEPP PAIPRRIRST YRASSLGIPD ADCCRRQMEF QRPRCVDCRP QAETVRLYPP AHFGSTSPRS QLSDSDDDYD DVDIPAPSEN IPPPLPPKPK FRSPSDDGSG GIRDDGQLSP GVLVRCASGP PPRTPRPGPP PATCSPHLTA RSDPSLWNPA APEPGQPPLV PPRKEKMRGK MENEKRREKY PLLVKLFNGC PLQIHSTAAW THPSTKDQNL LLGAEEGIFI LNRNDQEATL EMIFPGRTTW LYCINNLLMS LSGKTPYLYS HSILGLLERK DGRTGSPIAH ISPHRLLARK NMVSSKIQDT KGCRACCVAE SASSGGPFLC GALETSVVLL QWYQPMNKFL LVRQVLFPLP

Product Details

	TPLPVFTLLT TPGSELPAVC IGVSPGQAAK SVLFHTVRFG ALSCWLDDSS TEHKGPVQVI QVKEDMVMVL MDGSLKLVTP EGAPAPGLRT PEIPMTEAVE AVAMVEDRLE AFWKHGVQVW APGLKQPLQE LRDPTLTFRL LCSPRPVVVE TRPTDDPTAP SNLYIQE **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:	MAP4K1
Alternative Name:	Map4k1 (MAP4K1 Products)
Background:	Mitogen-activated protein kinase kinase kinase kinase 1 (EC 2.7.11.1) (Hematopoietic progenitor kinase) (HPK) (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 (By similarity). Appears to act upstream of the JUN N-terminal pathway (PubMed:9003777). May play a role in hematopoietic lineage decisions and growth regulation (PubMed:9003777). Able to autophosphorylate (PubMed:9003777). Together with CLNK, it enhances CD3-triggered activation of T-cells and subsequent IL2 production

Target Details

	(PubMed:11509653). {ECO:0000250|UniProtKB:Q92918, ECO:0000269|PubMed:11509653, ECO:0000269|PubMed:9003777}.
Molecular Weight:	91.5 kDa
UniProt:	P70218
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