Datasheet for ABIN7554561

MAP4K6 Protein (AA 1-1332) (His tag)

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Overview

Quantity:	1 mg
Target:	MAP4K6 (MINK1)
Protein Characteristics:	AA 1-1332
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP4K6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MINK1 Protein expressed in mammalien cells.
Sequence:	MGDPAPARSL DDIDLSALRD PAGIFELVEV VGNGTYGQVY KGRHVKTGQL AAIKVMDVTE DEEEEIKQEI NMLKKYSHHR NIATYYGAFI KKSPPGNDDQ LWLVMEFCGA GSVTDLVKNT KGNALKEDCI AYICREILRG LAHLHAHKVI HRDIKGQNVL LTENAEVKLV DFGVSAQLDR TVGRRNTFIG TPYWMAPEVI ACDENPDATY DYRSDIWSLG ITAIEMAEGA PPLCDMHPMR ALFLIPRNPP PRLKSKKWSK KFIDFIDTCL IKTYLSRPPT EQLLKFPFIR DQPTERQVRI QLKDHIDRSR KKRGEKEETE YEYSGSEEED DSHGEEGEPS SIMNVPGEST LRREFLRLQQ ENKSNSEALK QQQQLQQQQQ RDPEAHIKHL LHQRQRRIEE QKEERRRVEE QQRREREQRK LQEKEQQRRL EDMQALRREE ERRQAEREQE YKRKQLEEQR QSERLQRQLQ QEHAYLKSLQ QQQQQQQLQK QQQQQLLPGD RKPLYHYGRG MNPADKPAWA REVEERTRMN KQQNSPLAKS KPGSTGPEPP IPQASPGPPG PLSQTPPMQR PVEPQEGPHK SLVAHRVPLK PYAAPVPRSQ SLQDQPTRNL AAFPASHDPD PAIPAPTATP SARGAVIRQN SDPTSEGPGP SPNPPAWVRP

Product Details

	DNEAPPKVPQ RTSSIATALN TSGAGGSRPA QAVRARPRSN SAWQIYLQRR AERGTPKPPG PPAQPPGPPN ASSNPDLRRS DPGWERSDSV LPASHGHLPQ AGSLERNRVG VSSKPDSSPV LSPGNKAKPD DHRSRPGRPA DFVLLKERTL DEAPRPPKKA MDYSSSSEEV ESSEDDEEEG EGGPAEGSRD TPGGRSDGDT DSVSTMVVHD VEEITGTQPP YGGGTMVVQR TPEEERNLLH ADSNGYTNLP DVVQPSHSPT ENSKGQSPPS KDGSGDYQSR GLVKAPGKSS FTMFVDLGIY QPGGSGDSIP ITALVGGEGT RLDQLQYDVR KGSVVNVNPT NTRAHSETPE IRKYKKRFNS EILCAALWGV NLLVGTENGL MLLDRSGQGK VYGLIGRRRF QQMDVLEGLN LLITISGKRN KLRVYYLSWL RNKILHNDPE VEKKQGWTTV GDMEGCGHYR VVKYERIKFL VIALKSSVEV YAWAPKPYHK FMAFKSFADL PHRPLLVDLT VEEGQRLKVI YGSSAGFHAV DVDSGNSYDI YIPVHIQSQI TPHAIIFLPN TDGMEMLLCY EDEGVYVNTY GRIIKDVVLQ WGEMPTSVAY ICSNQIMGWG EKAIEIRSVE TGHLDGVFMH KRAQRLKFLC ERNDKVFFAS VRSGGSSQVY FMTLNRNCIM NW **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:	MAP4K6 (MINK1)

Target Details

Alternative Name:	MINK1 (MINK1 Products)
Background:	Misshapen-like kinase 1 (EC 2.7.11.1) (GCK family kinase MiNK) (MAPK/ERK kinase kinase kinase 6) (MEK kinase kinase 6) (MEKKK 6) (Misshapen/NIK-related kinase) (Mitogen-activated protein kinase kinase kinase kinase 6),FUNCTION: Serine/threonine kinase which acts as a negative regulator of Ras-related Rap2-mediated signal transduction to control neuronal structure and AMPA receptor trafficking. Required for normal synaptic density, dendrite complexity, as well as surface AMPA receptor expression in hippocampal neurons. Can activate the JNK and MAPK14/p38 pathways and mediates stimulation of the stress-activated protein kinase MAPK14/p38 MAPK downstream of the Raf/ERK pathway. Phosphorylates: TANC1 upon stimulation by RAP2A, MBP and SMAD1. Has an essential function in negative selection of thymocytes, perhaps by coupling NCK1 to activation of JNK1., FUNCTION: Isoform 4 can activate the JNK pathway. Involved in the regulation of actin cytoskeleton reorganization, cell-matrix adhesion, cell-cell adhesion and cell migration.
Molecular Weight:	149.8 kDa
UniProt:	Q8N4C8
Pathways:	Synaptic Membrane

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