

Datasheet for ABIN7549406

MAPK4 Protein (AA 1-587) (His tag)



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Overview

Quantity:	1 mg
Target:	MAPK4
Protein Characteristics:	AA 1-587
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAPK4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MAPK4 Protein expressed in mammalian cells.
Sequence:	<p>MAEKGDCIAS VYGYDLGGRF VDFQPLGFGV NGLVLSAVDS RACRKVAVKK IALSDARSMK HALREIKIIR RLDHDNIVKV YEVLGPKGTD LQGELFKFSV AYIVQEYMET DLARLLEQGT LAEHAKLFM YQLLRGLKYI HSANVLHRDL KPANIFISTE DLVLKIGDFG LARIVDQHYS HKGYLSEGLV TKWYRSPRL LSPNNYTKAI DMWAAGCILA EMLTGRMLFA GAHELEQMQL ILETIPVIRE EDKDELLRVM PSFVSSTWEV KRPLRKLLPE VNSEAIDFLE KILTFNPMDR LTAEMGLQHP YMSPYSCPED EPTSQHPFRI EDEIDDIVLM AANQSQLSNW DTCSSRYPV LSSDLEWRPD RCQDASEVQR DPRAGSAPLA EDVQVDPRKD SHSSSERFLE QSHSSMERAF EADYGRSCDY KVGSPSYLDK LLWRDNKPHH YSEPKLIDL SHWKQAAGAP PTATGLADTG AREDEPASLF LEIAQWVKST QGGPEHASPP ADDPERRLSA SPPGRPAPVD GGASPFQDLD VFISRALKLC TKPEDLPDNK LGDLNGACIP EHPGDLVQTE AFSKERW Sequence without tag.</p> <p>The proposed Purification-Tag is based on experiences with the expression system, a</p>

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>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	MAPK4
Alternative Name:	MAPK4 (MAPK4 Products)
Background:	<p>Mitogen-activated protein kinase 4 (MAP kinase 4) (MAPK 4) (EC 2.7.11.24) (Extracellular signal-regulated kinase 4) (ERK-4) (MAP kinase isoform p63) (p63-MAPK),FUNCTION: Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK4/MAPK4 is phosphorylated at Ser-186 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK4/MAPK4. May promote entry in the cell cycle (By similarity). {ECO:0000250}.</p>
Molecular Weight:	65.9 kDa
UniProt:	P31152

Target Details

Pathways: [MAPK Signaling](#)

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