

Datasheet for ABIN7554581
MAPK6 Protein (AA 1-721) (His tag)



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Overview

Quantity:	1 mg
Target:	MAPK6
Protein Characteristics:	AA 1-721
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAPK6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MAPK6 Protein expressed in mammalian cells.
Sequence:	MAEFESLMN IHGFDLGSRY MDLKPLGCGG NGLVFSAVDN DCDKRVAIKK IVLTDPQSVK HALREIKIIR RLDHDNIVKV FEILGPSGSQ LTDDVGSLTE LNSVYIVQEY METDLANVLE QGPLEEHAR LFMVQLLRGL KYIHSANVLH RDLKPANLFI NTEDLVLKIG DFGLARIMDP HYSHKGHLSE GLVTKWYRSP RLLSPNNYT KAIDMWAAGC IFAEMLTGKT LFAGAHELEQ MQLILESIPV VHEEDRQELL SVIPVYIRND MTEPHKPLTQ LLPGISREAL DFLEQILTFE PMDRLTAEAA LSHPYMSIYS FPMDEPISSH PFHIEDEVDD ILLMDETHSH IYNWERYHDC QFSEHDWPVH NNFDIDEVQL DPRALSDVTD EEEVQVDPK YLDGDREKYL EDPAFDTNYS TEPCWQYSDH HENKYCDLEC SHTCNKTRS SSYLDNLVWR ESEVNHYYEP KLIIDLSNWK EQSKEKSDKK GKSKCERNGL VKAQIALEEA SSQLAGKERE KNQGFDFDSF IAGTIQLSSQ HEPTDVVDKL NDLNSSVSQ ELKSLISKSV SQEKQEKGMA NLAQLEALYQ SSWDSQFVSG GEDCFFINQF CEVRKDEQVE KENTYTSYLD KFFSRKEDTE MLETPEVDG KLGERGHEEG

FLNNSGEFLF NKQLESIGIP QFHSPVGSPL KSIQATLTIPS AMKSSPQIPH QTYSSILKHL N

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 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).

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:

MAPK6

Alternative Name:

MAPK6 ([MAPK6 Products](#))

Background:

Mitogen-activated protein kinase 6 (MAP kinase 6) (MAPK 6) (EC 2.7.11.24) (Extracellular signal-regulated kinase 3) (ERK-3) (MAP kinase isoform p97) (p97-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, ERK3/MAPK6 is phosphorylated at Ser-189 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK3/MAPK6. May promote entry in the cell cycle (By similarity). {ECO:0000250}.

Molecular Weight:

82.7 kDa

Target Details

UniProt:	Q16659
Pathways:	MAPK Signaling , Neurotrophin Signaling Pathway , Regulation of Muscle Cell Differentiation , Hepatitis C

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