

Datasheet for ABIN7549506  
**MAP2K5 Protein (AA 1-448) (His tag)**



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## Overview

Quantity:	1 mg
Target:	MAP2K5
Protein Characteristics:	AA 1-448
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP2K5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat MAP2K5 Protein expressed in mammalien cells.
Sequence:	MLWLALGFPF AMENQVLVIR IKIPNSGAVD WTVHSGPQLL FRDVLDVIGQ VLPEATTTAF EYEDDGDRI TVRSDEEMKA MLSYYYSTVM EQQVNGQLIE PLQIFPRACK PPGERNIHGL KVNTRAGPSQ HSSPAVSDSL PSNSLKKSSA ELKKILANGQ MNEQDIRYRD TLGHGNGGTV YKAYHVPSGK ILAVKVILLD ITLELQKQIM SELEILYKCD SSIIGFYGA FFVENRISIC TEFMDGGSLD VYRKMPPEHVL GRIAVAVVKG LTYLWLSKIL HRDVKPSNML VNTRGQVKLC DFGVSTQLVN SIAKTYVGTN AYMAPERISG EQYGIHSDVW SLGISFMELA LGRFPYPQIQ KNQGSMLPLQ LLQCIVDEDS PVLPGGEFSE PFVHFITQCM RKQPKERPAP EELMGHPFIV QFNDGNAAVV SMWVCRALEE RRSQQGPP <b>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.</b>
Characteristics:	Key Benefits:

## Product Details

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- 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.

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

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Grade: custom-made

## Target Details

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Target: MAP2K5

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Alternative Name: MAP2K5 ([MAP2K5 Products](#))

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Background: Dual specificity mitogen-activated protein kinase kinase 5 (MAP kinase kinase 5) (MAPKK 5) (EC 2.7.12.2) (MAPK/ERK kinase 5) (MEK 5),FUNCTION: Acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appears to play a critical role in protecting cells from stress-induced apoptosis, neuronal survival and cardiac development and angiogenesis. As part of the MAPK/ERK signaling pathway, acts as a negative regulator of apoptosis in cardiomyocytes via promotion of STUB1/CHIP-mediated ubiquitination and degradation of ICER-type isoforms of CREM (By similarity). {ECO:0000250|UniProtKB:Q62862, ECO:0000269|PubMed:7759517, ECO:0000269|PubMed:9384584}.

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Molecular Weight: 50.1 kDa

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UniProt: [Q13163](#)

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Pathways: [MAPK Signaling](#), [Neurotrophin Signaling Pathway](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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