

Datasheet for ABIN7549288

MAP3K12 Protein (AA 1-859) (His tag)



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Overview

Quantity:	1 mg
Target:	MAP3K12
Protein Characteristics:	AA 1-859
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP3K12 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MAP3K12 Protein expressed in mammalian cells.
Sequence:	<p>MACLHETRTP SPSFGGFVST LSEASMRKLD PDTSDCTPEK DLTPTHVLQL HEQDAGGPGG AAGSPESRAS RVRADDEVRLQ CQSGSGFLEG LFGCLRPVWT MIGKAYSTEH KQQQEDLWEV PFEEILDQLW VGSGAQGAVF LGRFHGEEVA VKKVRDLKET DIKHLRKLKH PNIITFKGVC TQAPCYCILM EFCAQGQLYE VLRAGRVPVTP SLLVDWSMGI AGGMNYLHLH KIIHRDLKSP NMLITYDDVV KISDFGTSKE LSDKSTKMSF AGTVAWMAPE VIRNEPVSEK VDIWSFGVVL WELLTGEIPY KDVDSSAIW VGGSNSLHLP VPSSCPDGFK ILLRQCWNSK PRNRPSFRQI LLHLDIASAD VLSTPQETYF KSQAEWREEV KLHFEEKIKSE GTCLHRLEEE LVMRRREELR HALDIREHYE RKLERANNLY MELNALMLQL ELKERELLRR EQALERRCPG LLKPHPSRGL LHGNTMEKLI KKRNVQKLS PHSKRDPILK TESLLPKLDA ALSGVGLPGC PKGPPSPGRS RRGKTRHRKA SAKGSCGDLP GLRTAVPPHE PGGPGSPGGL GGGPSAWEAC PPALRGLHHD LLLRKMSSSS PDLLSAALGS RGRGATGGAG DPGSPPPARG DTPPSEGSAP GSTSPDSPGG</p>

Product Details

AKGEP PPPVPG PGEGVGLLGT GREGTSGRGG SRAGSQHLTP AALLYRAAVT RSQKRGISSE
EEEEVDSEV ELTSSQRWPQ SLNMRQSLST FSSENPSDGE EGTASEPSPS GTPEVGSTNT
DERPDERSDD MCSQGSEIPL DPPPSEVIPG PEPSSLPIPH QELLRERGPP NSESDCDST
ELDNSNSVDA LRPPASLPP **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:

MAP3K12

Alternative Name:

MAP3K12 ([MAP3K12 Products](#))

Background:

Mitogen-activated protein kinase kinase kinase 12 (EC 2.7.11.25) (Dual leucine zipper bearing kinase) (DLK) (Leucine-zipper protein kinase) (ZPK) (MAPK-upstream kinase) (MUK) (Mixed lineage kinase),FUNCTION: Part of a non-canonical MAPK signaling pathway (PubMed:28111074). Activated by APOE, enhances the AP-1-mediated transcription of APP, via a MAP kinase signal transduction pathway composed of MAP2K7 and MAPK1/ERK2 and MAPK3/ERK1 (PubMed:28111074). May be an activator of the JNK/SAPK pathway. {ECO:0000269|PubMed:28111074}.

Target Details

Molecular Weight: 93.2 kDa

UniProt: [Q12852](#)

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