

Datasheet for ABIN7564744

MLK4 Protein (AA 1-1002) (His tag)



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Overview

Quantity:	1 mg
Target:	MLK4 (KIAA1804)
Protein Characteristics:	AA 1-1002
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MLK4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinant Map3k21 Protein expressed in mammalian cells.
Sequence:	<p>MALPVAEGTA DTPLSPARDD SGSTSSGMWA ALYDYEARGE DELSLRRGQL VEVLSQDAAV</p> <p>SGDEGWAGQ VQRRLGIFPA SYVAPCGPVP PPAPPPRPC SPVHVDFERL ELKELIGAGG</p> <p>FGQVYRATWQ GQEVAVKAAR RDPEQDAAAA AESVRREARL FAML RHPNII QLRGVCLRQP</p> <p>HLCLVLEFAR GGALNRALAA AASDPRAPGP RRARRIPPQV LVNWAVQIAR GMLYLHEEAV</p> <p>VPILHRDLKS SNILLLEKIE HDDICNKTLLK ITDFGLAREW HRTTRMSAAG TYAWMAPEVI</p> <p>RSSLSKSGSD IWSYGVLLWE LLTGEVPYRG IDGLAVAYGV AVNKLTLPIP STCPEPFAKL</p> <p>MKECWEDPH IRPSFALILQ QLTAIEEAVL TNMPQESFHS MQEDWKLEIQ QMFSELRTKE</p> <p>KELRSREEEL SRAALQQKSQ ELLLRREQQ LAEREIDVLE RELNVLIFQL SQEAPHVKKR</p> <p>KGRFRRGRLR LKDGHRISLP SDFQHKITVQ ASPTLDKRRS SDGLCSPPG SPLMLPRLRA</p> <p>IQLTSDENNK TRGRNMVFRQ EDFEDVKRSF KKKGCTWGFS SVQTKERPEG RERVRLSDG</p> <p>NSPWSSLLIK SQKTTPLASL FVDQPGSCEE QKLVPGLEH RPKPKTKFPG QAHVGLPLCK</p>

DSQREDSSEA ESREEGSPKG SPVNNVGAPM LRKKTESALC ECGMLLASMA LGLDVRKLHG
AQAPAKPSPK MEKKEEGALQ PASRCQSSPS SLLRQPSAGR APSGGSTLLL PSAPSHSSKS
SLSMKCLLQA GKEESSLGNA RDLCGPTTLT PDPGSAAPES GCELIPGLRP KTDYGVLRSM
PHAILEQTGE RLPGCAIVGD KGCHHMQMGS EETPLWLQSA PEDSGLPHSP SPGPQRDLAS
QASLVKPEGV LGECQACPAL PQRPHASVR TTSPPTWVCD KDHQVPALAC LLGAQERSRC
QTPSLLDASI EGQKKDCAMP LCRVKSVMCQ PSIYALEKDF LT **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:

MLK4 (KIAA1804)

Alternative Name:

Map3k21 ([KIAA1804 Products](#))

Background:

Mitogen-activated protein kinase kinase kinase 21 (EC 2.7.11.25) (Mitogen-activated protein kinase kinase kinase MLK4) (Mixed lineage kinase 4),FUNCTION: Negative regulator of TLR4 signaling. Does not activate JNK1/MAPK8 pathway, p38/MAPK14, nor ERK2/MAPK1 pathways (By similarity). {ECO:0000250}.

Target Details

Molecular Weight: 110.1 kDa

UniProt: [Q8VDG6](#)

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