

Datasheet for ABIN7554513
MLK4 Protein (AA 1-1036) (His tag)



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Overview

Quantity:	1 mg
Target:	MLK4 (KIAA1804)
Protein Characteristics:	AA 1-1036
Origin:	Human
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:	MALRGAAGAT DTPVSSAGGA PGGSASSSST SSGGSASAGA GLWAALYDYE ARGEDELSLR RGQLVEVLSQ DAAVSGDEGW WAGQVQRRLG IFPANYVAPC RPAASPAPPP SRPSSPVHVA FERLELKELI GAGGFGQVYR ATWQGQEVAV KAARQDPEQD AAAAAESVRR EARLFAMLRH PNIIELRGVC LQPHLCLVL EFARGGALNR ALAAANAAPD PRAPGPRRAR RIPPHVLVNW AVQIARGMLY LHEEAFVPIL HRDLKSSNIL LLEKIEHDDI CNKTLKITDF GLAREWHRTT KMSTAGTYAW MAPEVIKSSL FSKGSDIWSY GVLLWELLTG EVPYRGIDGL AVAYGVAVNK LTLPISTCP EPFAKLMKEC WQQDPHIRPS FALILEQLTA IEGAVMTEMP QESFHSMQDD WKLEIQQMFD ELRTKEKELR SREEELTRAA LQKSQEELL KRREQQLAER EIDVLERELN ILIFQLNQEK PKVKKRKGF KRSRLKLDG HRISLPSDFQ HKITVQASPN LDKRRSLNSS SSSPSSPTM MPRLRAIQLT SDESNTWGR NTVFRQEEFE DVKRNFKKKG CTWGPNSIQM KDRTDCKERI RPLSDGNPW STILIKNQKT MPLASLFVDQ PGSCPEPKLS PDGLEHRKPK

QIKLPSQAYI DLPLGKDAQR ENPAEAESWE EAASANAATV SIEMTPTNSL SRSPQRKKTE
SALYGCTVLL ASVALGLDLR ELHKAQAAEE PLPKEEKKKR EGIFQRASKS RRSASPPTSL
PSTCGEASSP PSLPLSSALG ILSTPSFSTK CLLQMDSEDP LVDSAPVTCD SEMLTPDFCP
TAPGSGREPA LMPRLDTDCS VSRNLPSSFL QQTGCGNVPYC ASSKHRPSHH RRTMSDGNPT
PTGATIISAT GASALPLCPS PAPHSHLPRE VSPKKHSTVH IVPQRRPASL RSRSDLPQAY
PQTAVSQLAQ TACVVGRPGP HPTQFLAAKE RTKSHVPSLL DADVEGQSRD YTVPLCRMRS
KTSRPSIYEL EKEFLS **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. {ECO:0000269|PubMed:21602844}.

Target Details

Molecular Weight: 114.0 kDa

UniProt: [Q5TCX8](#)

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