

Datasheet for ABIN7554475

## MAP3K14 Protein (AA 1-947) (His tag)



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### Overview

Quantity:	1 mg
Target:	MAP3K14
Protein Characteristics:	AA 1-947
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP3K14 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat MAP3K14 Protein expressed in mammalian cells.
Sequence:	<p>MAVMEMACPG APGSAVGQKQK ELPKAKEKTP PLGKKQSSVY KLEAVEKSPV FCGKWEILND</p> <p>VITKGTAKEG SEAGPAAISI IAQAECENSQ EFSPTFSERI FIAGSKQYSQ SESLDQIPNN</p> <p>VAHATEGKMA RVCWKGKRRS KARKKRKKKS SKSLAHAGVA LAKPLPRTPE QESCTIPVQE</p> <p>DESPLGAPYV RNTPTQFTKPL KEPGLGQLCF KQLGEGLRPA LPRSELHKLI SPLQCLNHVW</p> <p>KLHHPQDGGP LPLPTHFPFY SRLPHFPFFH PLQPWKPHPL ESFLGKLACV DSQKPLPDPH</p> <p>LSKLACVDSP KPLPGPHLEP SCLSRGAHEK FSVEEYLVHA LQGSVSSGQA HSLTSLAKTW</p> <p>AARGSRREP SPKTEDNEGV LLTEKLKPDV YEYREEVHWA THQLRLGRGS FGEVHRMEDK</p> <p>QTGFQCAVKK VRLEVFRAEE LMACAGLTSP RIVPLYGAVR EGPWVNIFME LLEGGSLGQL</p> <p>VKEQGCLPED RALYYLGQAL EGLEYLHSRR ILHGDVKADN VLLSSDGS HAALCDFGHAVC</p> <p>LQPDGLGKSL LTGDYIPGTE THMAPEVVLG RSCDAKVDVW SSCMMLHML NGCHPWTQFF</p> <p>RGPLCLKIAS EPPPVREIPP SCAPLTAQAI QEGLRKEPIH RVSAAEELGGK VNRALQQVGG</p>

Product Details

LKSPWRGEYK EPRHPPPNQA NYHQTLHAQP RELSPRAPGP RPAEETTGRA PKLQPPLPPE  
PPEPNKSPPL TLSKEESGMW EPLPLSSLEP APARNPSSPE RKATVPEQEL QQLEIELFLN  
SLSQPFSL EE QEQILSCLSI DSLSLSDDDSE KNPSKASQSS RDTLSSGVHS WSSQAEARSS  
SWNMVLARGR PTDTPSYFNG VKVQIQSLNG EHLHIREFHR VKVGDIATGI SSQIPAAAFS  
LVTKDGQPVR YDMEVPDSGI DLQCTLAPDG SFAWSWRVKH GQLENRP **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:	<div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	MAP3K14
Alternative Name:	MAP3K14 ( <a href="#">MAP3K14 Products</a> )
Background:	Mitogen-activated protein kinase kinase kinase 14 (EC 2.7.11.25) (NF-kappa-beta-inducing kinase) (HsNIK) (Serine/threonine-protein kinase NIK),FUNCTION: Lymphotoxin beta-activated kinase which seems to be exclusively involved in the activation of NF-kappa-B and its transcriptional activity. Phosphorylates CHUK/IKKA, thereby promoting proteolytic processing of NFKB2/P100, which leads to NF-kappa-B activation via the non-canonical pathway

## Target Details

	(PubMed:25406581, PubMed:29230214). Has an essential role in the non-canonical NF-kappa-B signaling that regulates genes encoding molecules involved in B-cell survival, lymphoid organogenesis, and immune response (PubMed:25406581). Could act in a receptor-selective manner. {ECO:0000269 PubMed:15084608, ECO:0000269 PubMed:25406581}.
Molecular Weight:	104.0 kDa
UniProt:	<a href="#">Q99558</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">TCR Signaling</a>

## 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