

Datasheet for ABIN7549266

## MAP3K2 Protein (AA 1-619) (His tag)



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### Overview

Quantity:	1 mg
Target:	MAP3K2
Protein Characteristics:	AA 1-619
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP3K2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat MAP3K2 Protein expressed in mammalian cells.
Sequence:	<p>MDDQQALNSI MQDLAVLHKA SRPALSLQET RKAKSSSPKK QNDVRVKFEH RGEKRILQFP</p> <p>RPVKLEDLRS KAKIAFGQSM DLHYTNNELV IPLTTQDDLD KAVELDRSI HMKSLKILLV</p> <p>INGSTQATNL EPLPSLEDLD NTVFGAERKK RLSIIGPTSR DRSSPPPGYI PDELHQVARN</p> <p>GSFTSINSEG EFIPESMDQM LDPLSLSSPE NSGSGSCPSL DSPLDGESYP KSRMPRAQSY</p> <p>PDNHQEFSDY DNPIFEKFGK GGTYPRRYHV SYHHQEYNDG RKTFFPRARRT QGTSLRSPVS</p> <p>FSPTDHSLSST SSGSSIFTPE YDDSRIRRRG SDIDNPTLTV MDISPPSRSP RAPTNWRLGK</p> <p>LLGQGAFGRV YLCYDVDVTGR ELAVKQVQFD PDSPETSKEV NALECEIQLL KNLLHERIVQ</p> <p>YYGCLRDPQE KTLSIFMEYM PGGSIKDQLK AYGALTENV T RKYTRQILEG VHYLHSNMIV</p> <p>HRDIKGANIL RDSTGNVKLG DFGASKRLQT ICLSGTGMKS VTGTPYWMSP EVISGEGYGR</p> <p>KADIWSVACT VVEMLTEKPP WAEFEAMAAI FKIAQTPTNP KLPPHVSDYT RDFLKRIFVE</p> <p>AKLRPSADEL LRHMFVHYH <b>Sequence without tag. The proposed Purification-Tag is based</b></p>

**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:	<p>Key Benefits:</p> <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>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	MAP3K2
Alternative Name:	MAP3K2 ( <a href="#">MAP3K2 Products</a> )
Background:	Mitogen-activated protein kinase kinase kinase 2 (EC 2.7.11.25) (MAPK/ERK kinase kinase 2) (MEK kinase 2) (MEKK 2),FUNCTION: Component of a protein kinase signal transduction cascade. Regulates the JNK and ERK5 pathways by phosphorylating and activating MAP2K5 and MAP2K7 (By similarity). Plays a role in caveolae kiss-and-run dynamics. {ECO:0000250, ECO:0000269 PubMed:10713157, ECO:0000269 PubMed:16001074}.
Molecular Weight:	69.7 kDa
UniProt:	<a href="#">Q9Y2U5</a>
Pathways:	<a href="#">MAPK 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.
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Restrictions:	For Research Use only
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## 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