

Datasheet for ABIN3093714

## MAPKBP1 Protein (AA 2-1514) (His tag)



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### Overview

Quantity:	1 mg
Target:	MAPKBP1
Protein Characteristics:	AA 2-1514
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAPKBP1 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS), Crystallization (Crys)

### Product Details

Sequence:	<p>AVEGSTITSR IKNLLRSPSI KLRRSKAGNR REDLSSKVTL EKVLGITVSG GRGLACDPRS</p> <p>GLVAYPAGCV VVLFNPRKHK QHHILNSSRK TITALAFSPD GKYLVTGESG HMPAVRVWDV</p> <p>AEHSQVAELQ EHKYGVACVA FSPSAKYIVS VGYQHDMIVN VWAWKKNIVV ASNKVSSRVT</p> <p>AVSFSEDCSY FVTAGNRHIK FWYLDSDKTS KVNATVPLL RSGLLGELRN NLFTDVACGR</p> <p>GKKADSTFCI TSSGLLCEFS DRRLLDKWVE LRNIDSFTTT VAHCISVSQD YIFCGCADGT</p> <p>VRLFNPSNLH FLSTLPRPHA LGTDIASVTE ASRLFSGVAN ARYPDTIALT FDPTNQWLSC</p> <p>VYNDHSIYVW DVRDPKKVGK VYSALYHSSC VWSVEVYPEV KDSNQACLPP SSFITCSSDN</p> <p>TIRLWNTESS GVHGSTLHRN ILSSDLIKII YVDGNTQALL DTELPGGDKA DASLLDPRVG</p> <p>IRSVCVSPNG QHLASGDRMG TLRVHELQSL SEMLKVEAHD SEILCLEYSK PDTGLKLLAS</p> <p>ASRDRLIHVL DAGREYSLQQ TLDEHSSSIT AVKFAASDGQ VRMISCGADK SIYFRTAQKS</p> <p>GDGVQFTRTH HVVRKTTLYD MDVEPSWKYT AIGCQDRNIR IFNISSGKQK KLFKGSQGED</p> <p>GTLIKVQTDG SGIIYATSCS DKNLSIFDFS SGECVATMFG HSEIVTGMKF SNDCKHLISV</p>
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SGDSCIFVWR LSSEMTISMR QRLAELRQRQ RGGKQQGPSS PQRASGPNRH QAPSM LSPGP  
ALSSDSKEG EDEGTEELP ALPV LAKSTK KALASVPSA LPRSLSHWEM SRAQESVGFL  
DPAPAA NPGP RRRGRWVQPG VELSVRMLD LRQLETLAPS LQDPSQDSL A IIPSGPRKHG  
QEALETSLTS QNEKPPRPQA SQPCSYPHI RLLSQEEGVF AQDLEPAPIE DGIVYPEPSD  
NPTMDTSEFQ VQAPARGTLG RVYPGSRSS KHSPDSACSV DYSSSCLSSP EHPTEDSEST  
EPLSVDGISS DLEEPAEGDE EEEEEEGMG PYGLQEGSPQ TPDQEQLKQ HFETLASGAA  
PGAPVQVPER SESRSISSRF LLQVQTRPLR EPSPSSSLA LMSRPAQVPQ ASGEQPRNG  
ANPPGAPPEV EPSSGNPSPQ QAASVLLPRC RLNPDSSWAP KRVATASPFS GLQKAQSVHS  
LVPQERHEAS LQAPSPGALL SREIAQDGL GSLPPADGRP SRPHSYQNPT TSSMAKISRS  
ISVGENLGLV AEPQAHAPIR VSPLSKLALP SRAHLVDIP KPLPDRPTLA AFSPVTKGRA  
PGAEKPGFP VGLGKAHSTT ERWACLGE GT TPKPRTECQA HPGPSSPCAQ QLPVSSLFQG  
PENLQPPPPE KTPNPMECTK PGAALSQDSE PAVSLEQCEQ LVAELRGSVR QAVRLYHVA  
GCKMPSAEQS RIAQLLRDTF SSVRQELEAV AGAVLSSPGS SPGAVGAEQT QALLEQYSEL  
LLRAVERRME RKL

**Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.**

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### Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human MAPKBP1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

## Product Details

	The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none"><li>1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.</li><li>2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.</li></ol>
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

## Target Details

Target:	MAPKBP1
Alternative Name:	MAPKBP1 ( <a href="#">MAPKBP1 Products</a> )
Background:	Involved in JNK signaling pathway. {ECO:0000250}.
Molecular Weight:	164.6 kDa Including tag.
UniProt:	<a href="#">O60336</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.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)