

Datasheet for ABIN3093616

MAP3K15 Protein (AA 1-1313) (Strep Tag)

1 Image



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Overview

Quantity:	1 mg
Target:	MAP3K15
Protein Characteristics:	AA 1-1313
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP3K15 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence:	MESGGGNAPA GALGAASESP QCPPPPGVEG AAGPAEPDGA AEGAAGGSGE GESGGGPARRA LRAVYVRSES SQGGAAGGPE AGARQCLLRA CEAEGAHLTS VPFGELDFGE TAVLDAFYDA DVAVVDMSDV SRQPSLFYHL GVRESFDMAN NVILYHDTDA DTALSLKDMV TQKNTASSGN YYFIPYIVTP CADYFCCESD AQRRASEYMQ PNWDNILGPL CMPLVDRFIS LLKDIHVTSC VYYKETLLND IRKAREKYQG EELAKELARI KLRMDNTEVL TSDIINLLL SYRDIQDYDA MVKLVETLEM LPTCDLADQH NIKFHAFAL NRRNSTGDRE KALQIMLQVL QSCDHPGPDM FCLCGRIYKD IFLDSDCKDD TSRDSAIEWY RKGFEQSSL YSGINLAVLL IVAGQQFETS LELRKIGVRL NSLLGRKGSL EKMNNYWDVG QFFSVSMLAH DVGKAVQAAE RLFKLKPPVW YLRSLVQNLL LIRRFKKTII EHSPRQERLN FWLDIIFEAT NEVTNGLRFP VLVIEPTKVY QPSYVSINNE AEERTVSLWH VSPTMKQMH EWNFTASSIK GISLSKFDER CCFLYVHDNS DDFQIYFSTE EQCSRFFSLV KEMITNTAGS TVELEGETDG DTLEYEYDHD ANGERVVLGK GTYGIVYAGR DLSNQVRIAI KEIPERDSRY SQPLHEEIAL HKYLKHRNIV QYLGSVSENG
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YIKIFMEQVP GGSLSALLRS KWGPMKEPTI KFYTKQILEG LKYLHENQIV HRDIKGDNLV  
VNTYSGVVKI SDFGTSKRLA GVNPCCTETFT GTLQYMAPEI IDQGPRGYGA PADIWSLGCT  
IEMATSKPP FHELGEQAA MFKVGMFKIH PEIPEALSAE ARAFILSCFE PDPHKRATTA  
ELLREGFLRQ VNKGKKNRIA FKPSEGPRGV VLALPTQGEP MATSSSEHGS VSPDSDAQPD  
ALFERTRAPR HHLGHLLSVP DESSALEDRG LASSPEDRDQ GLFLLRKDSE RRILYKILW  
EEQNQVASNL QECVAQSSEE LHLSVGHIKQ IIGILRDFIR SPEHRVMATT ISKLKVDLDF  
DSSSIQIHL VLFQFQDAVN KILRNHLIRP HWMFAMDNII RRAVQAAVTI LIPELRAHFE  
PTCETEGVDK DMDEAEEGYP PATGPGQEAQ PHQQHLSLQL GELRQETNRL LEHLVEKERE  
YQNLLRQTLQ KQTQELYHLQ LKLKSNCTE NPAGPYGQRT DKELIDWLRL QGADAKTIEK  
IVEEGYTLSD ILNEITKEDL RYLRLRGGLL CRLWSAVSQY RRAQEASETK DKA

**Sequence without tag. The proposed Strep-Tag is based on experience s 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 in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified by multi-step, protein-specific process to ensure correct folding and modification.
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system -

## Product Details

all that's needed is the DNA that codes for the desired protein!

Concentration:

- 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.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®):  1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE. 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.
Purity:	>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Grade:	Crystallography grade

## Target Details

Target:	MAP3K15
Alternative Name:	MAP3K15 ( <a href="#">MAP3K15 Products</a> )
Background:	Mitogen-activated protein kinase kinase kinase 15 (EC 2.7.11.25) (Apoptosis signal-regulating kinase 3) (MAPK/ERK kinase kinase 15) (MEK kinase 15) (MEKK 15),FUNCTION: Serine/threonine kinase which acts as a component of the MAP kinase signal transduction pathway (PubMed:20362554, PubMed:26732173). Once activated, acts as an upstream activator of the p38 MAPK signal transduction cascade through the phosphorylation and activation of several MAP kinase kinases (PubMed:20362554, PubMed:26732173). May function in a signal transduction pathway that is activated by various cell stresses and leads to apoptosis (PubMed:20362554). Involved in phosphorylation of WNK4 in response to osmotic stress or hypotonic low-chloride stimulation via the p38 MAPK signal transduction cascade (PubMed:26732173). {ECO:0000269 PubMed:20362554, ECO:0000269 PubMed:26732173}.
Molecular Weight:	147.4 kDa

## Target Details

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UniProt: [Q6ZN16](#)

## Application Details

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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: ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.

During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer. If you have a special request, please contact us.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: Unlimited (if stored properly)



**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process