

# Datasheet for ABIN3134854 MAP3K8 Protein (AA 1-467) (Strep Tag)



Overview

Quantity:	1 mg
Target:	MAP3K8
Protein Characteristics:	AA 1-467
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP3K8 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

# Product Details

Brand:	AliCE®
Sequence:	MEYMSTGSDE KEEIDLLIKH LNVSEVIDIM ENLYASEEPG VYEPSLMTMY PDSNQNEERS
	ESLLRSGQEV PWLSSVRYGT VEDLLAFANH VSNMTKHFYG RRPQECGILL NMVISPQNGR
	YQIDSDVLLV PWKLTYRNIG SGFVPRGAFG KVYLAQDMKT KKRMACKLIP IDQFKPSDVE
	IQACFRHENI AELYGAVLWG DTVHLFMEAG EGGSVLEKLE SCGPMREFEI IWVTKHILKG
	LDFLHSKKVI HHDIKPSNIV FMSTKAVLVD FGLSVKMTED VYLPKDLRGT EIYMSPEVIL
	CRGHSTKADI YSLGATLIHM QTGTPPWVKR YPRSAYPSYL YIIHKQAPPL EDIAGDCSPG
	MRELIEAALE RNPNHRPKAA DLLKHEALNP PREDQPRCQS LDSALFERKR LLSRKELQLP
	ENIADSSCTG STEESEVLRR QRSLYIDLGA LAGYFNIVRG PPTLEYG
	Sequence without tag. The proposed Strep-Tag is based on experience $\ensuremath{s}$ 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.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN3134854 | 02/25/2025 | Copyright antibodies-online. All rights reserved.

# Product Details

#### Characteristics:

#### Key Benefits:

- Made in Germany from design to production by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- 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 try to ensure that you receive soluble 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 posttranslational 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!

### Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN3134854 | 02/25/2025 | Copyright antibodies-online. All rights reserved.

Target Details	
Target:	MAP3K8
Alternative Name:	Map3k8 (MAP3K8 Products)
Background:	Mitogen-activated protein kinase kinase kinase 8 (EC 2.7.11.25) (Cancer Osaka thyroid oncogene) (Proto-oncogene c-Cot) (Serine/threonine-protein kinase cot) (Tumor progression locus 2) (TPL-2),FUNCTION: Required for lipopolysaccharide (LPS)-induced, TLR4-mediated activation of the MAPK/ERK pathway in macrophages, thus being critical for production of the pro-inflammatory cytokine TNF-alpha (TNF) during immune responses. Involved in the regulation of T-helper cell differentiation and IFNG expression in T-cells. Involved in mediating host resistance to bacterial infection through negative regulation of type I interferon (IFN) production. Transduces CD40 and TNFRSF1A signals that activate ERK in B-cells and macrophages, and thus may play a role in the regulation of immunoglobulin production. May also play a role in the transduction of TNF signals that activate JNK and NF-kappa-B in some cell types. In adipocytes, activates MAPK/ERK pathway in an IKBKB-dependent manner in response to IL1B and TNF, but not insulin, leading to induction of lipolysis. Plays a role in the cell cycle. {ECO:0000269]PubMed:11163183, ECO:0000269]PubMed:12667451, ECO:0000269]PubMed:12881420, ECO:0000269]PubMed:15833743, ECO:0000269]PubMed:23842752}.
Molecular Weight:	52.9 kDa
UniProt:	Q07174
Pathways:	PI3K-Akt Signaling, TCR Signaling
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:	<ul> <li>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from</li> <li>Nicotiana tabacum c.v This contains all the protein expression machinery needed to produce</li> <li>even the most difficult-to-express proteins, including those that require post-translational</li> <li>modifications.</li> <li>During lysate production, the cell wall and other cellular components that are not required for</li> <li>protein production are removed, leaving only the protein production machinery and the</li> <li>mitochondria to drive the reaction. During our lysate completion steps, the additional</li> </ul>

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/4 | Product datasheet for ABIN3134854 | 02/25/2025 | Copyright antibodies-online. All rights reserved.

Application Details	
	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	
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months