

Datasheet for ABIN7317083  
**MAP3K8 Protein (GST tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	MAP3K8
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAP3K8 protein is labelled with GST tag.

## Product Details

Purpose:	Recombinant Human TPL2/MAP3K8/MEKK8 Protein (GST Tag)
Sequence:	Met 30-Arg 397
Characteristics:	A DNA sequence encoding the human MAP3K8 isoform 1 (P41279-1) (Met 30-Arg 397) was fused with the GST tag at the N-terminus.
Purity:	> 91 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	MAP3K8
Alternative Name:	TPL2/MAP3K8/MEKK8 ( <a href="#">MAP3K8 Products</a> )
Background:	Background: Mitogen-activated protein kinase kinase kinase 8, also known as Cancer Osaka thyroid oncogene, Proto-oncogene c-Cot, Serine/threonine-protein kinase cot, Tumor progression locus 2 and MAP3K8, is a cytoplasm protein which belongs to the protein kinase

## Target Details

superfamily, STE Ser/Thr protein kinase family and MAP kinase kinase kinase subfamily. MAP3K8 is expressed in several normal tissues and human tumor-derived cell lines. Isoform 1 of MAP3K8 is activated specifically during the S and G2/M phases of the cell cycle. MAP3K8 is required for TLR4 activation of the MEK/ERK pathway. It is able to activate NF-kappa-B 1 by stimulating proteasome-mediated proteolysis of NF-kappa-B 1/p105. MAP3K8 plays a role in the cell cycle. The longer form has some transforming activity, although it is much weaker than the activated cot oncoprotein. MAP3K8 oncogene linked to human endometrial carcinoma suggesting that it may be another molecule involved in human endometrial cancer. MAP3K8 may also be an important mediator of intracellular mechanotransduction in human bone marrow-derived mesenchymal stem cells (MSCs).  
Synonym: AURA2;c-COT;COT;EST;ESTF;MEKK8;Tpl-2;TPL2

Molecular Weight:	68 kDa
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Pathways:	<a href="#">PI3K-Akt Signaling</a> , <a href="#">TCR Signaling</a>
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## Application Details

Restrictions:	For Research Use only
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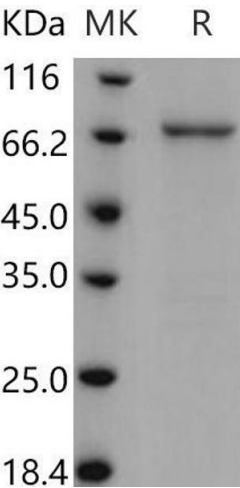
## Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as sterile 50 mM Tris, 100 mM NaCl, 0.5 mM PMSF, 0.5 mM GSH, pH 8.0
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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Western Blotting

Image 1.