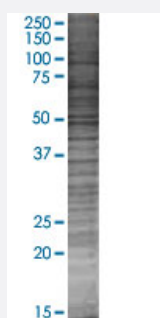


# MAP3K7IP1 293T Cell Transient Overexpression Lysate(Denatured)

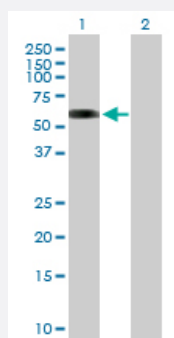
Catalog # H00010454-T01      Size 100 uL

## Applications



### SDS-PAGE Gel

MAP3K7IP1 transfected lysate.



### Western Blot

Lane 1: MAP3K7IP1 transfected lysate ( 54.6 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-MAP3K7IP1 full-length
Host	Human
Theoretical MW (kDa)	54.6

## Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MAP3K7IP1 antibody ([H00010454-B01P](#)) by Western Blots.  
SDS-PAGE Gel  
MAP3K7IP1 transfected lysate.  
Western Blot  
Lane 1: MAP3K7IP1 transfected lysate ( 54.6 KDa)  
Lane 2: Non-transfected lysate.

## Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

## Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — MAP3K7IP1

## Entrez GeneID

[10454](#)

## GeneBank Accession#

[NM\\_006116](#)

## Protein Accession#

[NP\\_006107.1](#)

## Gene Name

MAP3K7IP1

## Gene Alias

3'-Tab1, MGC57664, TAB1

## Gene Description

mitogen-activated protein kinase kinase kinase 7 interacting protein 1

## Omim ID

[602615](#)

## Gene Ontology

[Hyperlink](#)

## Gene Summary

The protein encoded by this gene was identified as a regulator of the MAP kinase kinase kinase MAP3K7/TAK1, which is known to mediate various intracellular signaling pathways, such as those induced by TGF beta, interleukin 1, and WNT-1. This protein interacts and thus activates TAK1 kinase. It has been shown that the C-terminal portion of this protein is sufficient for binding and activation of TAK1, while a portion of the N-terminus acts as a dominant-negative inhibitor of TGF beta, suggesting that this protein may function as a mediator between TGF beta receptors and TAK1. This protein can also interact with and activate the mitogen-activated protein kinase 14 (MAPK14/p38alpha), and thus represents an alternative activation pathway, in addition to the MAPKK pathways, which contributes to the biological responses of MAPK14 to various stimuli. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

## Other Designations

TAK1-binding protein 1|transforming growth factor beta-activated kinase-binding protein 1

## Pathway

- [MAPK signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

## Disease

- [Arthritis](#)
- [Crohn Disease](#)