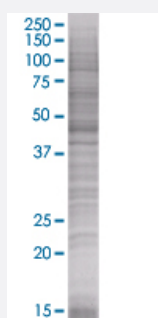


# MAPK8 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005599-T01

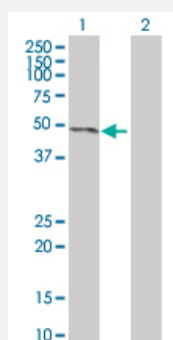
Size 100 uL

## Applications



### SDS-PAGE Gel

MAPK8 transfected lysate



### Western Blot

Lane 1: MAPK8 transfected lysate ( 48.3 KDa).

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-MAPK8 full-length

**Host** Human

**Theoretical MW (kDa)** 48.3

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-MAPK8 antibody ([H00005599-B01](#)) by Western Blots.  
SDS-PAGE Gel  
MAPK8 transfected lysate  
Western Blot  
Lane 1: MAPK8 transfected lysate ( 48.3 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 — MAPK8

**Entrez GeneID**[5599](#)**GeneBank Accession#**[NM\\_139049](#)**Protein Accession#**[NP\\_620637](#)**Gene Name**

MAPK8

**Gene Alias**

JNK, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1

**Gene Description**

mitogen-activated protein kinase 8

**Omim ID**[601158](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrome c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

**Other Designations**

JNK1 alpha protein kinase|JNK1 beta protein kinase|JUN N-terminal kinase|OTTHUMP00000019552|OTTHUMP00000019555|OTTHUMP00000019556|OTTHUMP00000019558|c-Jun N-terminal kinase 1|mitogen-activated protein kinase 8 isoform JNK1 alpha1|mitogen-activated protein

## Pathway

- [Adipocytokine signaling pathway](#)
- [Colorectal cancer](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Focal adhesion](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Toll-like receptor signaling pathway](#)
- [Type II diabetes mellitus](#)
- [Wnt signaling pathway](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)