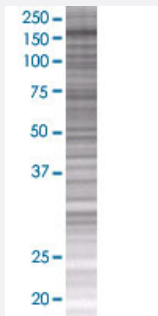


MAP3K5 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00004217-T01

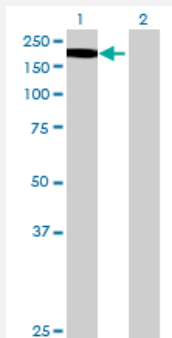
Size 100 uL

Applications



SDS-PAGE Gel

MAP3K5 transfected lysate.



Western Blot

Lane 1: MAP3K5 transfected lysate (151.25 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-MAP3K5 full-length

Host Human

Theoretical MW (kDa) 151.25

Quality Control Testing Transient overexpression cell lysate was tested with Anti-MAP3K5 antibody ([H00004217-B01](#)) by Western Blots.
 SDS-PAGE Gel
 MAP3K5 transfected lysate.
 Western Blot
 Lane 1: MAP3K5 transfected lysate (151.25 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 — MAP3K5

Entrez GeneID	4217
GeneBank Accession#	NM_005923.3
Protein Accession#	NP_005914.1
Gene Name	MAP3K5
Gene Alias	ASK1, MAPKKK5, MEKK5
Gene Description	mitogen-activated protein kinase kinase kinase 5
Omim ID	602448
Gene Ontology	Hyperlink

Gene Summary	Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq]
--------------	---

Other Designations	MAP/ERK kinase kinase 5 MAPK/ERK kinase kinase 5 OTTHUMP00000017275 apoptosis signal regulating kinase
--------------------	--

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Lymphoma](#)
- [Tobacco Use Disorder](#)