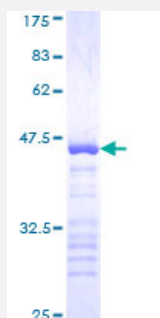


# MAP3K1 (Human) Recombinant Protein (Q01)

Catalog # H00004214-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                |                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human MAP3K1 partial ORF ( XP_042066, 1211 a.a. - 1310 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                | SKNSMTLDLNSSSKCDDSFSGCSSNSSNAVIPSDETFTVPEEKCRLDVNTELNSSIEDLLEASMPSSDTTVTFKSEVAVLSPEKAENDDTYKDDVNHQK          |
| <b>Host</b>                    | Wheat Germ (in vitro)                                                                                        |
| <b>Theoretical MW (kDa)</b>    | 36.63                                                                                                        |
| <b>Preparation Method</b>      | <a href="#">in vitro wheat germ expression system</a>                                                        |
| <b>Purification</b>            | Glutathione Sepharose 4 Fast Flow                                                                            |
| <b>Quality Control Testing</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                  |
| <b>Storage Buffer</b>          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                     |
| <b>Storage Instruction</b>     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                              |
| <b>Note</b>                    | Best use within three months from the date of receipt of this protein.                                       |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — MAP3K1

|                     |                                                                                                                                                                                                                                                                                  |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">4214</a>                                                                                                                                                                                                                                                             |
| GeneBank Accession# | <a href="#">XM_042066</a>                                                                                                                                                                                                                                                        |
| Protein Accession#  | <a href="#">XP_042066</a>                                                                                                                                                                                                                                                        |
| Gene Name           | MAP3K1                                                                                                                                                                                                                                                                           |
| Gene Alias          | MAPKKK1, MEKK, MEKK1                                                                                                                                                                                                                                                             |
| Gene Description    | mitogen-activated protein kinase kinase kinase 1                                                                                                                                                                                                                                 |
| Omim ID             | <a href="#">600982</a>                                                                                                                                                                                                                                                           |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                        |
| Gene Summary        | MAP3K, or MEK kinase, is a serine/threonine kinase that occupies a pivotal role in a network of phosphorylating enzymes integrating cellular responses to a number of mitogenic and metabolic stimuli, including insulin (MIM 176730) and many growth factors.[supplied by OMIM] |
| Other Designations  | MAP/ERK kinase kinase 1 MAPK/ERK kinase kinase 1 MEK kinase 1 OTTHUMP00000065818                                                                                                                                                                                                 |

## Pathway

- [GnRH signaling pathway](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Ubiquitin mediated proteolysis](#)

## Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lymphatic Metastasis](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)