

# Mouse MEK1/MAP2K1/MKK1 recombinant protein



Catalog Number: 502329

## General Information

### Gene Name Synonym

ERK activator kinase 1; MAPK/ERK kinase 1

### Protein Construction

A DNA sequence encoding the mouse MAP2K1 (NP\_032953.1) (Met1-Ile393) was expressed and purified with two additional amino acids (Gly & Pro ) at the N-terminus.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Kinase activity untested

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gly

### Molecular Mass

The recombinant mouse MAP2K1 consists of 395 amino acids and predicts a molecular mass of 43.6 KDa. It migrates as an approximately 45 KDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

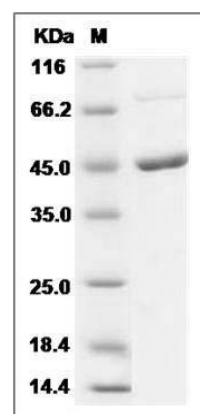
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Mouse MEK1 / MAP2K1 / MKK1 Protein SDS-PAGE