

# Mouse ERK2 / MAPK1 / MAPK2 recombinant protein



Catalog Number: 500044

## General Information

### Gene Name Synonym

ERT1; Extracellular signal-regulated kinase 2; MAP kinase isoform p42; Mitogen-activated protein kinase 2

### Protein Construction

A DNA sequence encoding the mouse MAPK1(P63085) (Met1-Ser358) 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

> 95 % 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 MAPK1 consists of 360 amino acids and predicts a molecular mass of 41.4 KDa. It migrates as an approximately 37 KDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, 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

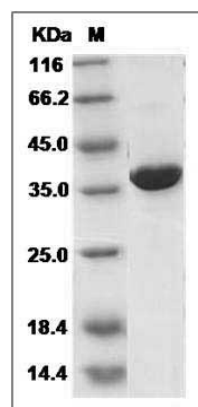
### Storage

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 ERK2 / MAPK1 / MAPK2 Protein SDS-PAGE