

# Mouse ERK2 / MAPK1 / MAPK2 (His & GST Tag) recombinant protein



Catalog Number: 503504

## 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 fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

No Kinase Activity

### Purity

> 96 % 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

Met

## Molecular Mass

The recombinant mouse MAPK1/GST chimera consists of 595 amino acids and has a calculated molecular mass of 69.1 kDa. The recombinant protein migrates as an approximately 60 kDa band in SDS-PAGE under reducing conditions.

## Formulation

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

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

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

## Usage Guide

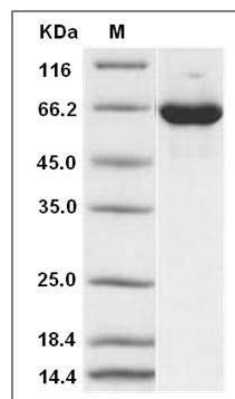
### Storage

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 (His & GST Tag) SDS-PAGE