

Recombinant Mouse Mapk1 protein(Met1-Ser358), His&GST-tagged

Cat. No. Mapk1-7394M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MAPK1 (P63085) (Met1-Ser358) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	Met1-Ser358
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% gly Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Mapk1 mitogen-activated protein kinase 1 \[Mus musculus \]](#)

Official Symbol [Mapk1](#)

Synonyms MAPK1; mitogen-activated protein kinase 1; ERT1; ERK-2; MAPK 1; MAPK 2; p42-MAPK; MAP kinase 1; MAP kinase 2; MAP kinase isoform p42; mitogen activated protein kinase 1; mitogen-activated protein kinase 2; extracellular signal-regulated kinase 2; ERK; Erk2; MAPK2; PRKM2; Prkm1; C78273; p41mapk; p42mapk; AA407128; AU018647; 9030612K14Rik;

Gene ID [26413](#)

mRNA Refseq [NM_001038663](#)

Protein Refseq [NP_001033752](#)

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