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 μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

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

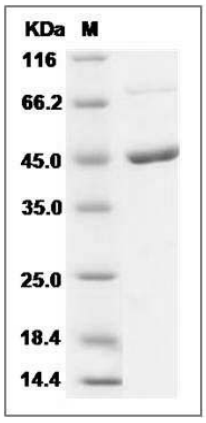
Storage

Store it under sterile conditions at -20℃ to -80℃. 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