Human MAPK12 / SAPK3 recombinant protein

Catalog Number: 503889

General Information

Gene Name Synonym

MAP kinase 12; MAPK 12; EC 2.7.11.24; Extracellular signal-regulated kinase 6; ERK-6; Mitogen-activated protein kinase p38 gamma; MAP kinase p38 gamma; Stress-activated protein kinase 3

Protein Construction

A DNA sequence encoding the human MAPK12 (P53778) (Met1-Leu367) was fused with two additional amino acids (Gly & Pro) at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Kinase activity untested

Purity

> 95 % 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 human MAPK12 consists of 369 amino acids and has a calculated molecular mass of 42.1 kDa. The recombinant protein migrates as an approximately 43 kDa band in SDS-PAGE under reducing conditions.

Formulation

Supplied as 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

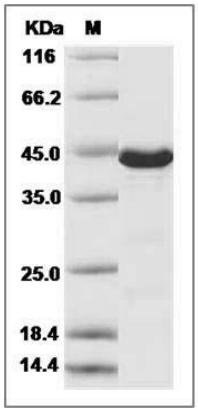
Storage

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



Human ERK3 / MAPK12 / P38-gamma Protein SDS-PAGE