

Human MAPK12 / SAPK3 (His & GST Tag) recombinant protein



Catalog Number: 501089

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 the N-
terminal polyhistidine-tagged GST tag 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°C

Predicted N terminal

Met

Molecular Mass

The recombinant human MAPK12 /GST chimera
consists of 604 amino acids and has a calculated
molecular mass of 69.8 kDa. The recombinant
protein migrates as an approximately 65 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

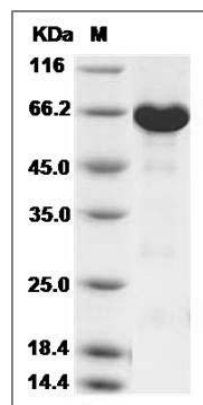
Storage

Store it under sterile conditions at -20°C to -80°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



Human ERK3 / MAPK12 / P38-gamma Protein (His
& GST Tag) SDS-PAGE