# Human MAPKAPK5 (His & GST Tag) recombinant protein

Catalog Number: 500069



#### **General Information**

#### Gene Name Synonym

MAPK-activated protein kinase 5; MAPKAP kinase 5; MAPKAP-K5; MAPKAPK-5; MK-5; MK5; EC 2.7.11.1; p38-regulated/activated protein kinase; PRAK

#### **Protein Construction**

A DNA sequence encoding the human MAPKAPK5 isoform 1 (NP\_003659.2) (Met 1-Gln 471) 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**

> 76 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

# **Stability**

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

#### **Predicted N terminal**

Met

#### **Molecular Mass**

The recombinant human MAPKAPK5/GST chimera consists of 708 amino acids and has a calculated molecular mass of 82 KDa. It migrates as an approximately 75KDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Supplied as sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% glycerol

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

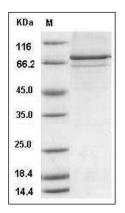
#### **Storage**

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 MAPKAPK5 Protein (His & GST Tag) SDS-PAGE