# Human RSK3/RPS6KA2 (GST Tag) recombinant protein

Catalog Number: 502448

# **General Information**

#### Gene Name Synonym

90 kDa ribosomal protein S6 kinase 2; MAP kinase-activated protein kinase 1c; Ribosomal S6 kinase 3; pp90RSK3

# **Protein Construction**

A DNA sequence encoding the human RPS6KA2 isoform 1 (Q15349-1) (Met 1-Leu 733) was fused with the GST tag at the N-terminus.

### Organism

Human

### **Expression Host**

Baculovirus-Insect Cells

# **QC Testing**

#### Activity

The specific activity was determined to be 41 nmol/min/mg using synthetic RSK peptide (KRRRLSSLRA) as substrate.

# Purity

> 84 % 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  $^{\circ}\mathrm{C}$ 

# **Predicted N terminal**

Met

## **Molecular Mass**

The recombinant human RPS6KA2/GST chimera consists of 957 amino acids and migrates as an approximatly 110 kDa band in SDS-PAGE under reducing conditions as predicted.

## Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, pH
7.0, 20mM GSH
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**

KDa	М	
116	-	-
66.2	-	
45.0	-	
35.0	-	
25.0	-	
18.4	-	
14.4	-	

Human RSK3 / RPS6KA2 Protein (GST Tag) SDS-PAGE

