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 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

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

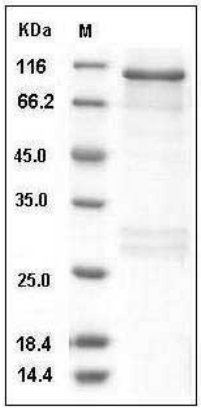
Storage

Store it under sterile conditions at -20℃ 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 RSK3 / RPS6KA2 Protein (GST Tag) SDS-PAGE