

Mouse SRC/Proto-oncogene c-Src (His & GST Tag) recombinant protein



Catalog Number: 504609

General Information

Protein Construction

A DNA sequence encoding the mouse SRC (NP_001020566.111) (Met 1-Leu 535) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Organism

Mouse

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

1. The specific activity was determined to be 166 nmol/min/mg using poly [Glu, Tyr] 4:1 as substrate.
2. Measured by its binding ability in a functional ELISA. Immobilized recombinant Mouse SRC at 2 µg/ml (100 µl/well) can bind biotinylated human PTPRA (aa 174-793) with a linear range of 0.032-0.8 µg/ml.

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 mouse SRC/GST chimera consists of 773 amino acids and has a calculated molecular mass of 87.7 kDa. It migrates as an approximately 80 kDa band in SDS-PAGE under reducing conditions.

Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, 10% gly, 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

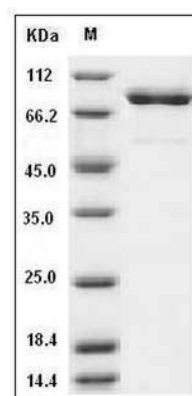
Storage

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



Mouse SRC Kinase / Proto-oncogene c-Src Protein (His & GST Tag) SDS-PAGE