

Mouse PTPN6 (aa 207-597, His & GST Tag) recombinant protein



Catalog Number: 502622

General Information

Gene Name Synonym

70Z-SHP; Hematopoietic cell protein-tyrosine phosphatase; PTPTY-42; Protein-tyrosine phosphatase 1C; SH-PTP1

Protein Construction

A DNA sequence encoding the mouse PTPN6 (P29351-2) (Ala207-Lys597) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Organism

Mouse

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its ability to dephosphorylate a phosphotyrosine residue in an EGF receptor 988998 phosphopeptide substrate, R&D Systems, Catalog # ES006.

The specific activity is > 4 μ moles/min/ μ g.

Purity

> 85 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ 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 mouse PTPN6/GST chimera consists of 628 amino acids and has a calculated molecular mass of 72.7 kDa. The recombinant protein migrates as an approximately 63 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.0, 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

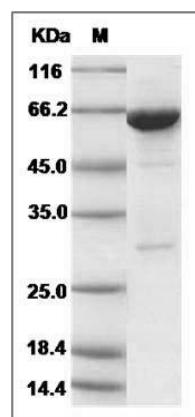
Storage

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



Mouse PTPN6 Protein (aa 207-597, His & GST Tag) SDS-PAGE