# 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  $> 4 \mu moles/min/\mu g$ .

## **Purity**

> 85 % 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 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**

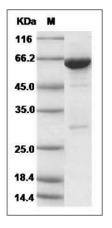
## **Storage**

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