

# Mouse PTPN2/TC-PTP (aa 2-314, His Tag) recombinant protein



Catalog Number: 501209

## General Information

### Gene Name Synonym

MPTP

### Protein Construction

A DNA sequence encoding the mouse PTPN2 (Q06180-1) (Ser 2-Asn 314) was fused with a polyhistidine 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 988-998 phosphopeptide substrate, R&D Systems, Catalog # ES006.

The specific activity is > 15 nmoles/min/μg.

### Purity

> 90 % 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 PTPN2 consists of 332 amino acids and has a calculated molecular mass of 38.7 kDa. It migrates as an approximately 42 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 20% gly, 0.1mM TCEP

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

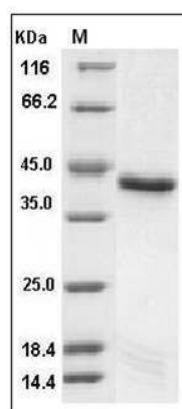
### Storage

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 PTPN2 / TC-PTP Protein (aa 2-314, His Tag) SDS-PAGE