

# Human PTP1B / PTPN1 (His Tag) recombinant protein



Catalog Number: 500505

## General Information

### Protein Construction

A DNA sequence encoding the human PTPN1 (NP\_002818.1) (Glu 2-Asn 321) was expressed, with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to dephosphorylate a phosphotyrosine residue in an EGF receptor (aa988-998) phosphopeptide substrate, R&D Systems, Catalog # ES006.

The specific activity is > 15 nmoles/min/ $\mu$ g.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

## Molecular Mass

The recombinant human PTPN1 consisting of 327 amino acids and has a calculated molecular mass of 38 kDa.

### Formulation

Lyophilized from sterile 10 mM Hepes, 150 mM NaCl, 1 mM DTT, pH 7.5.

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

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

## Usage Guide

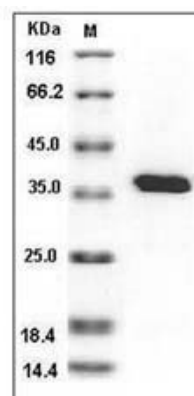
### Storage

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



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