

# Human PTPRA (aa 174-793, His & GST Tag) recombinant protein



Catalog Number: 502669

## General Information

### Protein Construction

A DNA sequence encoding the human PTPRA isoform 2 (P18433-2) cytoplasmic domain (Ala 174-Lys 793) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. Measured by its ability to bind biotinylated recombinant mouse SRC in a functional ELISA.
2. Measured by its ability to cleave a substrate, pNitrophenyl phosphate (pNPP). The specific activity is >40000 pmol/min/μg.

### 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 human PTPRA (aa 174-793)/GST chimera consists of 857 amino acids and has a calculated molecular mass of 99 kDa. It migrates as an approximately 90 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 20% gly, 3mM DTT

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

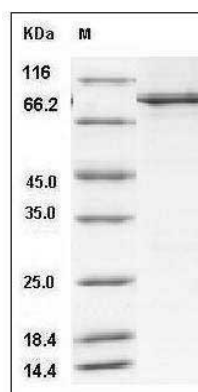
### Storage

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



Human PTPRA / PTPalpha Protein (aa 174-793, His & GST Tag) SDS-PAGE