

# Human PTP alpha/PTPRA Protein

Cat. No. PTP-HB10A

## Description

<b>Source</b>	Recombinant Human PTP alpha/PTPRA Protein is expressed from Baculovirus-Insect Cells with His tag at the C-terminus. It contains Ala183-Lys802.
<b>Accession</b>	P18433-5
<b>Molecular Weight</b>	The protein has a predicted MW of 73.00 kDa. The protein migrates to 68-75 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 90% as determined by Tris-Bis PAGE

## Formulation and Storage

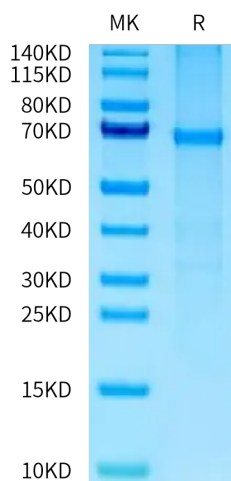
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in 20mM Tris, 500mM NaCl, 20% glycerol, 3mM DTT (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

The receptor protein-tyrosine phosphatase  $\alpha$  (encoded by PTPRA), a 130-kDa transmembrane PTP, has shown to be a physiological regulator for PTK c-Src and the kinases involved in integrin signaling pathway including FAK and P130cas. The activation of PTPRA on Src Y530 dephosphorylation led to cellular transformation, which suggested that PTPRA might be an oncogenic gene.

## Assay Data

### Tris-Bis PAGE



Human PTP alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.