

**Product Name: Recombinant Human PTP1C (C-6His)**  
**Catalog #: PEH1402**



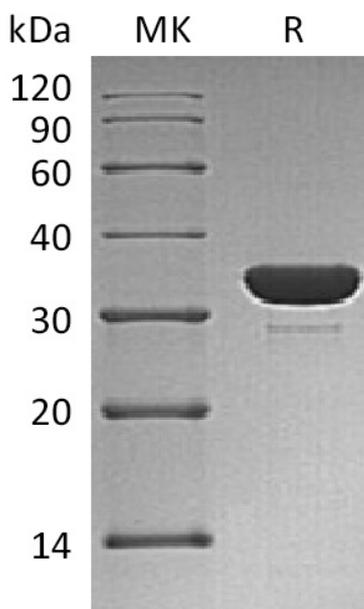
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## Summary

<b>Name</b>	PTP1C/PTPN6
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Protein-Tyrosine Phosphatase 1C is produced by our E.coli expression system and the target gene encoding Lys243-Ile541 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	AAH02523.1
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	35.38 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 25mM Tris-HCl, 500mM NaCl, 2mM 2-Mercaptoethanol, 1mM EDTA, 1mM DTT, 20% Glycerol, pH7.5.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image

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### **Alternative Names**

Tyrosine-Protein Phosphatase Non-Receptor Type 6; Hematopoietic Cell Protein-Tyrosine Phosphatase; Protein-Tyrosine Phosphatase 1C; PTP-1C; Protein-Tyrosine Phosphatase SHP-1; SH-PTP1; PTPN6; HCP; PTP1C

### **Background**

Protein-Tyrosine Phosphatase 1C (PTP1C) belongs to the protein-tyrosine phosphatase family, which is known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTP1C is highly expressed in leukocyte cell type. It contains two SH2 domains and one tyrosine-protein phosphatase domain. The SH2 regions may interact with other cellular components to modulate its own phosphatase activity against interacting substrates. In addition, PTP1C also modulates signaling by tyrosine phosphorylated cell surface receptors.

### **Note**

For Research Use Only , Not for Diagnostic Use.