

## 32-7146: Recombinant Human Protein-Tyrosine Phosphatase 1C/PTP1C (C-6His)(Discontinued)

**Gene :** PTPN6  
**Gene ID :** 5777  
**Uniprot ID :** P29350

### Description

Source: E.coli.  
MW :35.38kD.

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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 25mM TrisHCl, 2mM beta-ME, 1mM EDTA, 1mM DTT, 20% Glycerol, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MKAGFWEEFESLQKQEVKNLHQRLEGQRPENKGNRYKNILPFDHSRVILQGRDSNIPGSDYINANYIKNQLLG PDENAKTYIASQGCLEATVNDFWQMAWQENSRVIVMTTREVVEKGRNKCVPYWPEVGMQRAYGPYSVTNCGE HDTTEYKLRTLQVSPLDNGDLIREIWHYQYLSWPDHGVPSPPGGVLSFLDQINQRQESLPHAGPIIVHCSAGIGR TGTIIVIDMLMENISTKGLDCDIDIQKTIQMVRAQRSGMVQTEAQYKFIYVAIAQFIETTKKKLEVLQSQKGQSEY GNILEHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.