

SHP-1/PTPN6 Protein, Human, Recombinant (His)

General Information

Synonyms:	HCP;Hematopoietic Cell Protein-Tyrosine Phosphatase;SH-PTP1;Protein-Tyrosine Phosphatase 1C;Protein-Tyrosine Phosphatase SHP-1;PTPN6;Tyrosine-Protein Phosphatase Non-Receptor Type 6;PTP-1C;PTP1C
Protein Construction:	Lys243-Ile541
Species:	Human
Expression Host:	E. coli
Accession:	P29350-3
Molecular Weight:	34 KDa (reducing condition)
AA Sequence:	Lys243-Ile541

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 25 mM Tris-HCl, 500 mM NaCl, 2 mM 2-Mercaptoethanol, 1 mM EDTA, 1 mM DTT, 20% Glycerol, pH7.5.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481