

[Go to Product page](#)

Datasheet for ABIN1097451

SHP1 Protein (AA 243-541) (His tag)

Overview

Quantity:	50 µg
Target:	SHP1 (PTPN6)
Protein Characteristics:	AA 243-541
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Protein-Tyrosine Phosphatase 1C/PTP1C (C-6His)
Sequence:	MKAGFWEEFE SLQKQEVKNL HQRLEGQRPE NKGKNRYKNI LPFDHSRVIL QGRDSNIPGS DYINANYIKN QLLGPDENAK TYIASQGCLE ATVNDFWQMA WQENSRVIVM TTREVEKGRN KCVPYWPEVG MQRAYGPYSV TNCGEHDTTE YKLRTLQVSP LDNGDLIREI WHYQYLSWPD HGVPSEPGGV LSFLDQINQR QESLPHAGPI IVHCSAGIGR TGTIIVIDML MENISTKGLD CDIDIQKTIQ MVRAQRSGMV QTEAQYKFIY VAIAQFIETT KKKLEVLQSQ KGQSEYGNL LEHHHHHH
Characteristics:	Recombinant Human Protein-Tyrosine Phosphatase 1C/PTP1C is produced with our E. coli expression system. The target protein is expressed with sequence (Lys243-Ile541) of Human PTP1C
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

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

Target Details

Target:	SHP1 (PTPN6)
Alternative Name:	Protein-Tyrosine Phosphatase 1C/PTP1C (PTPN6 Products)
Background:	<p>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.</p> <p>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</p>
Molecular Weight:	35.38 kDa
UniProt:	P29350
Pathways:	JAK-STAT Signaling , TCR Signaling , TLR Signaling , Nuclear Receptor Transcription Pathway , Positive Regulation of Peptide Hormone Secretion , Steroid Hormone Mediated Signaling Pathway , Response to Growth Hormone Stimulus , Regulation of Leukocyte Mediated Immunity , CXCR4-mediated Signaling Events , Signaling Events mediated by VEGFR1 and VEGFR2 , BCR Signaling

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 μg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 μm filtered solution of 25 mM TrisHCl, 2 mM β-ME, 1 mM EDTA, 1 mM DTT,

Handling

20 % Glycerol, pH 7.5.

Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: -80 °C

Storage Comment: Store at < -20°C, stable for 6 months after receipt.
Please minimize freeze-thaw cycles.

Expiry Date: 6 months