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Datasheet for ABIN7318965

SHP1 Protein (His tag)

Overview

Quantity:	50 μg
Target:	SHP1 (PTPN6)
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 PTPN6/SH-PTP1 Protein (His Tag)
Sequence:	Lys243-lle541
Characteristics:	Recombinant Human Protein-Tyrosine Phosphatase 1C is produced by our E.coli expression system and the target gene encoding Lys243-lle541 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SHP1 (PTPN6)
Alternative Name:	PTPN6/SH-PTP1 (PTPN6 Products)
Background:	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. Synonym: 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

Molecular Weight:

35.4 kDa

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:	Frozen, Liquid
Buffer:	Supplied as a 0.2 μ m filtered solution of 25 mM TrisHCl, 2 mM β -ME, 1 mM EDTA, 1 mM DTT, 20 % Glycerol, pH 7.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.