



[Go to Product page](#)

Datasheet for ABIN5710185

## SHP1 Protein (AA 1-597, Isoform 2) (His-SUMO Tag)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	SHP1 (PTPN6)
Protein Characteristics:	Isoform 2, AA 1-597
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHP1 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

#### Product Details

Sequence:	<p>MLSRGWFHRD LSGLDAETLL KGRGVHGSFL ARPSRKNQGD FLSLVRVGDQ VTHIRIQNSG  DFYDLYGGEK FATLTELV EY YTQQQGV LQD RDGTIIHLKY PLNCSDPTSE R WYHGHMSGG  QAETLLQAKG EPWTF L VRES LSQPGDFVLS VLS DQPKAGP GSPLRVTHIK VMCEGGRYTV  GGLETFDSL T DLVEHF KKTG IEEASGAFVY LRQPYYATRV NAADIENRVL ELNKKQES E D  TAKAGFWE EF ESLQKQEVKN LHQRLEGQRP ENKGKNRYKN ILPFDHSRVI LQGRDSNIPG  SDYINANYIK NQLLGP DENA KTYIASQGCL EATVNDFWQM AWQENSRVIV MTTREVEKGR  NKCVPYWPEV GMQRAYGPYS VTNCGEHDTT EYKLRTLQVS PLDNGDLIRE IWHYQYLSWP  DHGVPSEPGG VLSFLDQINQ RQESLPHAGP IIVHCSAGIG RTGTIIVIDM LMENISTKGL  DCDIDIQKTI QMVRAQRSGM VQTEAQYKFI YVAIAQFIET T KKKLEVLQS QKGQESEYGN  ITYPPAMKNA HAKASRTSSK HKEDVYENLH TKNKREEKVK KQRSADKEKS KGSLKRK</p>
Purification:	SDS-PAGE
Purity:	> 90 %

## Target Details

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Target:	SHP1 (PTPN6)
Alternative Name:	PTN6 ( <a href="#">PTPN6 Products</a> )
Background:	Modulates signaling by tyrosine phosphorylated cell surface receptors such as KIT and the EGF receptor/EGFR. The SH2 regions may interact with other cellular components to modulate its own phosphatase activity against interacting substrates. Together with MTUS1, induces UBE2V2 expression upon angiotensin II stimulation. Plays a key role in hatopoiesis.
Molecular Weight:	83.7 kDa
UniProt:	<a href="#">P29350</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">BCR Signaling</a>

## Application Details

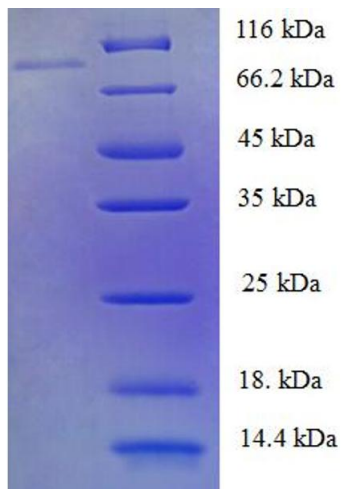
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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



### SDS-PAGE

Image 1.