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SHP1 Protein (Transcript Variant 2) (Myc-DYKDDDDK Tag)



Image



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Overview	
Quantity:	20 μg
Target:	SHP1 (PTPN6)
Protein Characteristics:	Transcript Variant 2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHP1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human PTPN6 (transcript variant 2) protein expressed in HEK293 cells. Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	SHP1 (PTPN6)
Alternative Name:	Ptpn6 (PTPN6 Products)
Background:	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP)
	family. PTPs are known to be signaling molecules that regulate a variety of cellular processes
	including cell growth, differentiation, mitotic cycle, and oncogenic transformation. N-terminal
	part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein

phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates.
This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator
of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact
with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell
signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms,
have been reported.

Molecular Weight:	67.5 kDa
NCBI Accession:	NP_536858

Pathways:

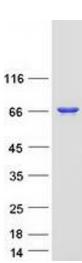
JAK-STAT Signaling, TCR Signaling, TLR Signaling, Nuclear Receptor Transcription Pathway,
Positive Regulation of Peptide Hormone Secretion, Steroid Hormone Mediated Signaling
Pathway, Response to Growth Hormone Stimulus, Regulation of Leukocyte Mediated Immunity,
CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, BCR
Signaling

Application Details

Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended



Western Blotting

Image 1. Validation with Western Blot