

## PTPN6

### Recombinant Human SHP-1 (aa 243-541)

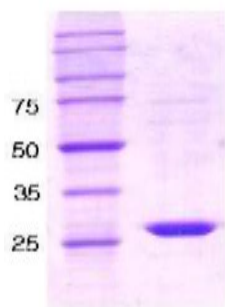
<b>Catalog No.</b>	CSI15623A CSI15623B	<b>Quantity:</b>	100 µg 500 µg
<b>Alternate Names:</b>	HCP, HCPH, HPTP1C, PTP-1C, SH-PTP1, SHP-1, SHP-1L, SHP1, hematopoietic cell phosphatase, hematopoietic cell protein-tyrosine phosphatase, protein-tyrosine phosphatase 1C		
<b>Description:</b>	The protein coding region of the catalytic domain of SHP-1 (amino acids 243-541) was cloned into an <i>E. coli</i> expression vector. The catalytic domain of SHP-1 was overexpressed as insoluble protein aggregates (inclusion bodies). The recombinant SHP-1 protein was purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a redox buffer. Additional amino acid(Met) is attached at N-terminus.		
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)		
<b>GeneID:</b>	5777		
<b>Protein Accession No:</b>	NP_002822		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	34.3 kDa (300 aa), confirmed by MALDI-TOF.		
<b>Formulation:</b>	Liquid. 25 mM Tris-HCl, pH7.5, 2 mM beta-mercaptoethanol, 1 mM EDTA. 1mMDTT, 20%Glycerol		
<b>Purity:</b>	> 95% by SDS - PAGE		
<b>Endotoxin Level:</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)		
<b>Assay Activity:</b>	One unit will hydrolyze 1nanomole of p-nitrophenyl- phosphatate(pNPP) per minute at pH 7.4 at 37 degree Celcius using 10mM of substrate.		
<b>Biological Activity:</b>	>5,000units/mg of SHP-1		
<b>Amino Acid Sequence:</b>	MGFWEEFES LQKQEVKNLH QRLEGQRPEN KGKNRYKNIL PFDHSRVILQ GRDSNIPGSD YINANYIKNQ LLGPDENAKT YIASQGCLEA TVNDFWQMAW QENSRVIVMT TREVEKGRNK CVPYWPEVGM QRAYGPYSVT NCGEHDTEY KLRTLQVSPL DNGDLIREIW HYQYLSWPDH GVPSEPGGV L SFLDQINQRQ ESLPHAGPII VHCSAGIGRT GTIIVIDMLM ENISTKGLDC DIDIQKTIQM VRAQRSGMVQ		



TEAQYKFIYV AIAQFIETTK KKLEVLQSQK GQSEYGNIT Y

**Storage & Stability:**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -80°C. **Avoid repeated freezing and thawing cycles.**



15% SDS-PAGE (3ug)

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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