

Human recombinant protein SHP-1
Human Recombinant SHP-1
Catalog # PBV10541r**Specification**

Human recombinant protein SHP-1 - Product info

Primary Accession	P29350
Concentration	1
Calculated MW	34.3 kDa (300 aa) KDa

Human recombinant protein SHP-1 - Additional Info

Gene ID	5777
Gene Symbol	PTPN6
Other Names	
Protein tyrosine phosphatase, non-receptor type 6 isoform 1, PTPN6, HCP, HCPH, HPTP1C, PTP-1C, SH-PTP1, SHP-1L, SHP1.	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGFWEEFESL QKQEVKNLHQ RLEGQRPENK GKNRYKNILP FDHSRVILQG RDSNIPGSDY INANYIKNQL LGPDENAKTY IASQGCLEAT VNDFWQMAWQ ENSRVIVMTT REVEKGRNKC VPYWPEVGMQ RAYGPYSVTN CGEHDTEYK LRTLQVSPLD NGDLIREIWH YQYLSWPDHG VPSEPGGVLS FLDQINQRQE SLPHAGPIIV HCSAGIGRTG TIIVIDMLME NISTKGLDCD IDIQKTIQMV RAQRSGMVQT EAQYKFIYVA IAQFIETTKK KLEVLQSQKG QESEYGNITY

Format
Liquid**Storage**

-80°C; 1 mg/ml solution in 25 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 2 mM β-mercaptoethanol, 1 mM EDTA, 20% glycerol.

Human recombinant protein SHP-1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein SHP-1 - Images

Human recombinant protein SHP-1 - Background

The protein coding region of the catalytic domain of SHP-1 (amino acids 243-541) was cloned into an E. coli 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.

Human recombinant protein SHP-1 - References

Yi T., et al. Mol. Cell. Biol. 12:836-846(1992).
Shen S.H., et al. Nature 352:736-739(1991).
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Plutzky J., et al. Proc. Natl. Acad. Sci. U.S.A. 89:1123-1127(1992).
Banville D., et al. Genomics 27:165-173(1995).