

SHP-1 active protein

SHP-1,243-541aa, Human, E Coli (Bioactivity Validated)

CATALOG # AAA48446	HOST E Coli	APPLICATIONS SDS-Page
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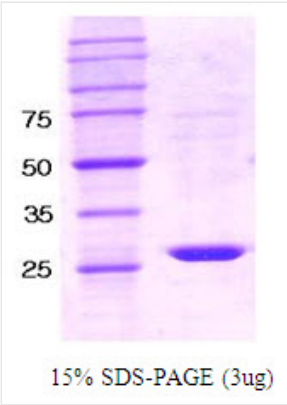
PRODUCT SYNONYMS

SHP-1; 243-541aa; Human; E Coli (Bioactivity Validated); Protein tyrosine phosphatase non-receptor type 6 isoform 1; PTPN6; HCP; PTP1C; Tyrosine-protein phosphatase non-receptor type 6; EC 3.1.3.48; Protein-tyrosine phosphatase 1C; PTP-1C; Hematopoietic cell protein-tyrosine phosphatase; SH-PTP1; Protein-tyrosine phosphatase SHP-1; HCPH; SHP1; HPTP1C; SHP-1L EC 3.1.3.48; 70 kda SHP1L protein; Hematopoietic cell phosphatase; Hematopoietic cell protein tyrosine phosphatase; HPTP 1C; Protein tyrosine phosphatase 1C; Protein tyrosine phosphatase SHP 1; Protein tyrosine phosphatase SHP1; PTP 1C; PTPN 6; SH PTP 1; SH PTP1; SHP 1; SHP 1L; SHP1L; SHPTP 1; SHPTP1; Tyrosine protein phosphatase non receptor type 6; SHP-1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 25 mM Tris-HCl, pH7.5, 2 mM beta-mercaptoethanol, 1 mM EDTA. 1mMDTT, 20%glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGFWEEFESL QKQEVKNLHQ RLEGQRPENK GKNRYKNILP FDHSRVILQG RDSNIPGSDY INANYIKNQL LGPDENAKTY IASQGCLEAT VNDFWQMAWQ ENSRVIVMTT REVEKGRNKC VPYWPEVGMQ RAYGPYSVTN CGEHDTTTEYK LRTLQVSPLD NGDLIREIWH YQYLSWPDHG VPSEPGGVLS FLDQINQRQE SLPHAGPIIV HCSAGIGRTG TIIVIDMLME NISTKGLDCD IDIQKTIQMV RAQRSGMVQT EAQYKFIYVA IAQFIETTKK KLEVLQSQKG QESEYGNITY
Sequence Length	595
Applicable Applications for SHP-1 active protein	SDS-PAGE
Antigen Species	Human
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity	>5,000units/mg of SHP-1
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SHP-1 active protein	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.
Product Categories/Family for SHP-1 active protein	Signal Transduction
References	Shen SH., et al. (1991) Nature 352, 736-739.; Wu C., et al. (2003) Gene. 306,1-12.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	18104989
NCBI GeneID	5777
NCBI Accession #	NP_002822
NCBI GenBank Nucleotide #	NM_002831.5
UniProt Accession #	P29350; Q969V8; Q9UK67; A8K306; G3V0F8
Molecular Weight	34.3 kDa (300 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 6 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 6
NCBI Official Symbol	PTPN6
NCBI Official Synonym Symbols	HCP; HCPH; SHP1; SHP-1; HPTP1C; PTP-1C; SHP-1L; SH-PTP1
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 6
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 6
UniProt Gene Name	PTPN6
UniProt Synonym Gene Names	HCP; PTP1C; PTP-1C

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.