

Datasheet for ABIN934895

PTPN1 Protein**1** Image[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PTPN1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MEMEKEFEQI DKSGSWAAIY QDIRHEASDF PCRVAKLPKN KNRNRYRDVS PFDHSRIKLH QEDNDYINAS LIKMEEAQRS YILTQGPLPN TCGHFWEMVW EQKSRGVVML NRVMEKGS�K CAQYWPQKEE KEMIFEDTNL KLTLSIEDIK SYITVRQLEL ENLTTQETRE ILHFHYTTWP DFGVPEPAS FLNFLFKVRE SGSLSPHGP VVHCSAGIG RSGTFCLADT CLLLMDKRKD PSSVDIKKVL LEMRKFRMGL IQTADQLRFS YLAVIEGAKF IMGDSSVQDQ WKELSHEDLE PPPEHIPPPP RPPKRILEPH N
Characteristics:	Purified recombinant Human PTP1 B protein Expression System: E.coli Bioactivity: 10,000units/mg of PTP1B Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure

Target Details

Target:	PTPN1
Alternative Name:	PTP1B (PTPN1 Products)
Background:	<p>The protein coding region of the catalytic domain of PTP-1B was cloned into an E. coli expression vector. The catalytic domain of PTP-1B was overexpressed in E. coli as a soluble protein, and it was purified by conventional column chromatographic techniques.</p> <p>Alternative Names: PTPN1 protein, PTPB 1 protein, Protein Tyrosine Phosphatase Non Receptor Type-1, PTPB-1, Protein Tyrosine Phosphatase 1B protein, PTP1B protein, PTPB 1, PTP-1B protein, EC 3.1.3.48 protein, PTP1B, PTPB-1 protein, Protein tyrosine phosphatase non-receptor type 1 protein, Protein-tyrosine phosphatase1B protein, Tyrosine-protein phosphatase non-receptor type 1 protein</p>
Molecular Weight:	37.3 kDa (321 AA)
Pathways:	TLR Signaling , Response to Growth Hormone Stimulus , ER-Nucleus Signaling , Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	PTP1B protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.
Comment:	One unit will hydrolyze 1 nM of p-nitrophenyl-phosphatate per minute at pH 7.4 at 37 °C using 10 mM of substrate
Restrictions:	For Research Use only

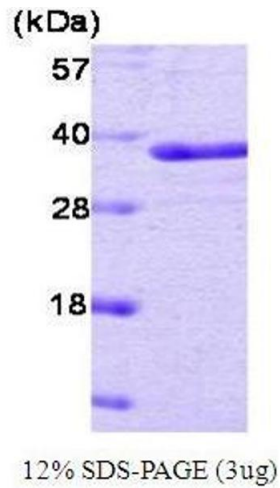
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Supplied as a liquid in 25 mM Tris-HCl, pH7.5, containing 2 mM beta-mercaptoethanol, 1 mM EDTA, 1 mM DTT, and 20 % glycerol.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C

Handling

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.

Images



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.