

Human PTPN1 Recombinant Protein



RPPB2640

Product Information Protein Information

Product SKU:

RPPB2640

Accession:

P18031

Host:

Escherichia Coli.

Protein description:

Protein Tyrosine Phosphatase Non Receptor Type-1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 321 amino acids and having a molecular mass of 37.3 kDa.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Tyrosine-protein phosphatase non-receptor type 1, EC 3.1.3.48, Protein-tyrosine phosphatase 1B, PTP-1B, PTPN1, PTP1B.

Formulation:

The protein (1mg/ml) contains 25mM Tris-HCl, pH 7.5, 2mM beta-mercaptoethanol, 1mM EDTA, 1mM DTT and 20% Glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MEMEKEFEQI DKSGSWAAIY QDIRHEASDF PCRVAKLPKN KNRNRYRDVS PFDHSRIKLHQEDNDYINAS
LIKMEEAQRS YILTQGPLPN TCGHFWEMVW EQKSRGVVML NRVMEKGLKCAQYWPQKEE KEMIFEDTNL
KLTLISEDIK SYYTVRQLEL ENLTTQETRE ILHFHYTTWPDFGVPEPAS FLNFLFKVRE SGSLSPEHGP
VVVHCSAGIG RSGTFCLADT CLLMDKRPSSVDIKKVL LEMRKFRMGL IQTADQLRFS YLAVIEGAKF
IMGDSSVQDQ WKELSHEDLE PPPEHPPPPRPPKRILEPHN.

Biological Activity:

Specific activity is > 10,000 units/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37°C.