

## PTPN7 Human

**Description:**PTPN7 Human Recombinant produced in E. coli is a single polypeptide chain containing 384 amino acids (1-360) and having a molecular mass of 43.1kDa. PTPN7 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PKPS-032

**Synonyms:**Protein tyrosine phosphatase non-receptor type 7, HEPTP, LC-PTP, Hematopoietic protein-tyrosine phosphatase, Protein-tyrosine phosphatase LC-PTP, PTPNI, LPTP, BPTP-4, dual specificity phosphatase 1, protein-tyrosine phosphatase non-receptor-type, stress i

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**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSHMVQAHG GRSRAQPLTL  
SLGAAMTQPP PEKTPAKKHV RLQERRGSNV ALMLDVRSLG AVEPICSVNT PREVTLHFLR  
TAGHPLTRWA LQRQPPSPKQ LEEEFKIPS NFVSPEDLDI PGHASKDRYK TILPNPQSRV  
CLGRAQSQED GDYINANYIR GYDGKEKVIYI ATQGPMPNTV SDFWEMVWQE EVSLIVMLTQ  
LREGKEKCVH YW

**Purity:**Greater than 90% as determined by SDS-PAGE.

### Formulation:

The PTPN7 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.

### 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

PTPN7 performs specifically on tyrosine-phosphorylated MAPK1. PTPN7 takes part in the regulation of signal transduction and T and B-lymphocyte development.

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