
Product Data Sheet

Product Name: PTPN7 Human
 Cat. No.: GP22620
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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 induced; EC 3.1.3.48.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMVQAHG GRSRAQPLTL SLGAAMTQPP PEKTPAKKHV RLQERRGSNV ALMLDVRSLG AVEPICSVNT PREVTLHFLR TAGHPLTRWA LQRQPPSPKQ LEEFLKIPS NFVSPEDLDI PGHASKDRYK TILPNPQSRV CLGRAQSQED GDYINANYIR GYDGKEKVYI ATQGPMPNTV SDFWEMVWQE EVSLIVMLTQ LREGKEKCVH YWPTEEETYG PFQIRIQDMK ECPEYTVRQL TIQYQEERRS VKHILFSAWP DHQTPESAGP LLRLVAEVEE SPETAHPGP IVVHCSAGIG RTGCFIATRI GCQQLKARGE VDILGIVCQL RLDRGGMIQT AEQYQFLHHT LALYAGQLPE EPSP		
Formulation	The PTPN7 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.		

Introduction

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

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

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