

Recombinant Human PTPN7,GST-tagged,Active

Cat. No. PTPN7-466H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full length PTPN7 was expressed in <i>E.coli</i> cells using a N-terminal GST tag. MW=67kDa.
Species	Human
Source	E.coli
Description	PTPN7 gene is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. The noncatalytic N-terminus of this PTP can interact with MAP kinases and negatively regulates ERK2 and p38 MAP-kinases activity. The PTPN7 was shown to be involved in the regulation of T cell antigen receptor (TCR) signaling, which was thought to function through dephosphorylating the molecules related to MAP kinase pathway.
Sequence	Full length.
Applications	Phosphatase Assay, Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Full Length	Full L.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

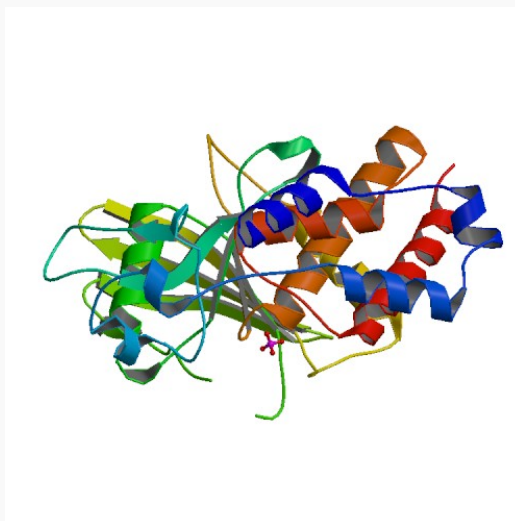
Gene Name	PTPN7 protein tyrosine phosphatase, non-receptor type 7 [Homo sapiens]
Synonyms	PTPN7; protein tyrosine phosphatase, non-receptor type 7; EC 3.1.3.48; Hematopoietic cell protein-tyrosine phosphatase; Protein-tyrosine phosphatase LC-PTP; LPTP; HEPTP; PTPNI; BPTP-4; LC-PTP; Tyrosine-protein phosphatase non-receptor type 7
Gene ID	5778
mRNA Refseq	NM_002832
Protein Refseq	NP_002823
UniProt ID	P35236
Chromosome Location	1q32.1
MIM	176889
Pathway	MAPK signaling pathway
Function	hydrolase activity; protein binding; protein tyrosine phosphatase activity

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