

## Recombinant Human PTPN7, GST-tagged, Active

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human full length PTPN7 was expressed in <i>E.coli</i> cells using a N-terminal GST tag. MW=67kDa.
<b>Species</b>	Human
<b>Source</b>	<i>E.coli</i>
<b>Description</b>	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.
<b>Sequence</b>	Full length.
<b>Applications</b>	Phosphatase Assay, Western Blot.
<b>Storage And Stability</b>	Store product at $-70^{\circ}\text{C}$ . 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.
<b>Full Length</b>	Full L.

### GENE INFORMATION

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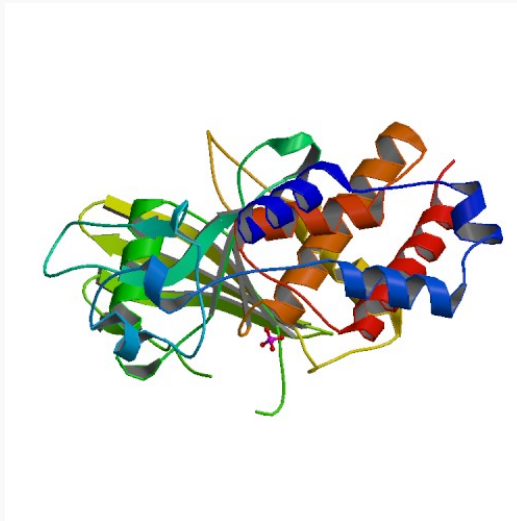
<b>Gene Name</b>	PTPN7 protein tyrosine phosphatase, non-receptor type 7 [ Homo sapiens ]
<b>Synonyms</b>	PTPN7; protein tyrosine phosphatase, non-receptor type 7; EC 3.1.3.48; Hematopoietic cell protein-tyrosine phosphatase; Protein-tyrosine phosphatase LC-PTP; LPTP; HEPTP; PTPNI; BPTP-4; LC-PTP; Tyrosine-protein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

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