

# Recombinant Human PTPN7, GST-tagged

**Cat. No.** PTPN7-2058H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PTPN7 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                         |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-399aa                                                                                                                                                           |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PTPN7 protein tyrosine phosphatase, non-receptor type 7 [ Homo sapiens ]                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | PTPN7                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | PTPN7; protein tyrosine phosphatase, non-receptor type 7; tyrosine-protein phosphatase non-receptor type 7; HEPTP; LC PTP; dual specificity phosphatase 1; protein-tyrosine phosphatase LC-PTP; hematopoietic protein-tyrosine phosphatase; protein-tyrosine phosphatase, nonreceptor-type, stress induced; LPTP; PTPNI; |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | BPTP-4; LC-PTP; FLJ18703;                                                                                                                                                                                                                                                                           |
| <b>Gene ID</b>             | 5778                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | NM_001199797                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_001186726                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>                 | 176889                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | P35236                                                                                                                                                                                                                                                                                              |
| <b>Chromosome Location</b> | 1q32.1                                                                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | Downstream signaling in naive CD8+ T cells, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Ras signaling in the CD4+ TCR pathway, organism-specific biosystem; |
| <b>Function</b>            | hydrolase activity; protein tyrosine phosphatase activity;                                                                                                                                                                                                                                          |