

Recombinant Full Length Human PTPN2 Protein, GST-tagged, Active

Cat. No. PTPN2-464H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full length PTPN2 was expressed in <i>E.coli</i> cells using a N-terminal GST tag. MW=69kDa.
Species	Human
Source	<i>E.coli</i>
Protein Length	1-415 a.a.
Description	Protein tyrosine phosphatase, non-receptor type 2 (PTPN2), is one of the most abundant mammalian tyrosine phosphatase. The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. By virtue of protein tyrosine phosphatase activity, PTPN2 is known to be a signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation involved in cell communication and signal transduction.
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.

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Full Length Full L.

GENE INFORMATION

Gene Name [PTPN2 protein tyrosine phosphatase, non-receptor type 2 \[Homo sapiens \]](#)

Synonyms PTPN2; protein tyrosine phosphatase, non-receptor type 2; PTN2; PTPT; TCPTP; TC-PTP; TCELLPTP; Tyrosine-protein phosphatase non-receptor type 2; EC 3.1.3.48; T-cell protein-tyrosine phosphatase

Gene ID [5771](#)

mRNA Refseq [NM_002828](#)

Protein Refseq [NP_002819](#)

UniProt ID [P17706](#)

Chromosome Location 18p11.3-p11.2

MIM [176887](#)

Function hydrolase activity; protein binding; non-membrane spanning protein tyrosine phosphatase activity

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