

Recombinant Human PTPN22 Protein, GST-tagged

Cat. No. PTPN22-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PTPN22 (1-312) with a N-terminal GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-312
Description	This gene encodes of member of the non-receptor class 4 subfamily of the protein-tyrosine phosphatase family. The encoded protein is a lymphoid-specific intracellular phosphatase that associates with the molecular adapter protein CBL and may be involved in regulating CBL function in the T-cell receptor signaling pathway. Mutations in this gene may be associated with a range of autoimmune disorders including Type 1 Diabetes, rheumatoid arthritis, systemic lupus erythematosus and Graves' disease. Alternatively spliced transcript variants encoding distinct isoforms have been described.
Molecular Mass	63.3 kDa
Purity	98% by SDS-PAGE and Coomassie blue staining.
Applications	Phosphatase Assay

GENE INFORMATION

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Gene Name	PTPN22 protein tyrosine phosphatase non-receptor type 22 [Homo sapiens (human)]
Official Symbol	PTPN22
Synonyms	PTPN22; protein tyrosine phosphatase non-receptor type 22; LYP; PEP; LYP1; LYP2; PTPN8; PTPN22.5; PTPN22.6; tyrosine-protein phosphatase non-receptor type 22; PEST-domain phosphatase; hematopoietic cell protein-tyrosine phosphatase 70Z-PEP; lymphoid-specific protein tyrosine phosphatase; protein tyrosine phosphatase, non-receptor type 22 (lymphoid); protein tyrosine phosphatase, non-receptor type 8; EC 3.1.3.48
Gene ID	26191
mRNA Refseq	NM_015967
Protein Refseq	NP_057051
MIM	600716
UniProt ID	Q9Y2R2