Recombinant Human PTPN22 Protein (1-179), N-GST tagged

Cat. No. PTPN22-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human PTPN22 full-length ORF (AAH17785, 1 a.a. - 179 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
Species	Human
Source	Wheat Germ
ProteinLength	1-179
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	45.43 kDa
AA Sequence	MDQREILQKFLDEAQSKKITKEEFANEFLKLKRQSTKYKADKTYPTTVAEKPKNIKKN RYKDILPYDYSRVELSLITSDEDSSYINANFIKGVYGPKAYIATQGPLSTTLLDFWRMI WEYSVLIIVMACMEYEMGKEAEKRKSDYIIRTLKVKFNSVSVILAHQTSLQNLFSQITP AHF

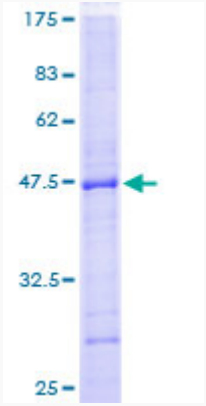
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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MIM	600716
UniProt ID	Q9Y2R2
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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