

Recombinant Mouse Ptpn22 Protein, His-tagged

Cat. No. Ptpn22-2004M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ptpn22 Protein (Met1-Phe256) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Phe256
Description	Enables SH3 domain binding activity and kinase binding activity. Involved in several processes, including regulation of T cell activation; regulation of cytokine production; and regulation of signal transduction. Acts upstream of or within T cell differentiation; T cell receptor signaling pathway; and protein dephosphorylation. Located in cytoplasm; cytoplasmic side of plasma membrane; and nucleus. Is expressed in dorsal root ganglion; peripheral nervous system; and thymus primordium. Human ortholog(s) of this gene implicated in several diseases, including Addison's disease; Meniere's disease; autoimmune disease (multiple); chronic lymphocytic leukemia; and pulmonary tuberculosis. Orthologous to human PTPN22 (protein tyrosine phosphatase non-receptor type 22).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.7 kDa Accurate Molecular Mass: 34&15 kDa

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Ptpn22 protein tyrosine phosphatase, non-receptor type 22 (lymphoid) [Mus musculus (house mouse)]
Official Symbol	Ptpn22
Synonyms	PTPN22; protein tyrosine phosphatase, non-receptor type 22 (lymphoid); tyrosine-protein phosphatase non-receptor type 22; PEST-domain phosphatase; PEST domain-enriched tyrosine phosphatase; protein tyrosine phosphatase, non-receptor type 8; hematopoietic cell protein-tyrosine phosphatase 70Z-PEP; PEP; Ptpn8; 70zpep;
Gene ID	19260

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mRNA Refseq	NM_008979
Protein Refseq	NP_033005
UniProt ID	P29352

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