

Active Recombinant Mouse Ptpn2, His tagged

Cat. No. Ptpn2-2548M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ptpn2 (Q06180-1) (Ser 2-Asn 314), fused with a polyhistidine tag at the N-terminus, was produced in Baculovirus-Insect cells.
Species	Mouse
Source	Insect Cells
ProteinLength	Ser 2-Asn 314
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to dephosphorylate a phosphotyrosine residue in an EGF receptor 988-998 phosphopeptide substrate. The specific activity is > 15 nmoles/min/μg.
Molecular Mass	The recombinant mouse PTPN2 consists of 332 amino acids and has a calculated molecular mass of 38.7 kDa. It migrates as an approximately 42 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
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GENE INFORMATION

Gene Name	Ptpn2 protein tyrosine phosphatase, non-receptor type 2 [Mus musculus]
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Official Symbol	Ptpn2
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Synonyms	PTPN2; protein tyrosine phosphatase, non-receptor type 2; tyrosine-protein phosphatase non-receptor type 2; MPTP; protein-tyrosine phosphatase PTP-2; T cell protein-tyrosine phosphatase; Ptpt; TC-PTP; AI325124;
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Gene ID	19255
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mRNA Refseq	NM_001127177
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Protein Refseq	NP_001120649
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