Recombinant Full Length Mouse Ptpn11 Protein, Myc/DDK-tagged

Cat. No. Ptpn11-5235M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein tyrosine phosphatase, non-receptor type 11 (Ptpn11), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus. Positively regulates MAPK signal transduction pathway. Dephosphorylates GAB1, ARHGAP35 and EGFR. Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulation of its RhoA binding activity. Dephosphorylates CDC73. Dephosphorylates SOX9 on tyrosine residues, leading to inactivate SOX9 and promote ossification.
Molecular Mass	68.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Ptpn11 protein tyrosine phosphatase, non-receptor type 11 [Mus musculus (house mouse)]
Official Symbol	Ptpn11
Synonyms	PTPN11; protein tyrosine phosphatase, non-receptor type 11; tyrosine-protein phosphatase non-receptor type 11; protein-tyrosine phosphatase SYP; SH2 domain-containing protein tyrosine phosphatase-2; Syp; Shp2; PTP1D; PTP2C; SAP-2; SHP-2; SH-PTP2; SH-PTP3; AW536184; 2700084A17Rik
Gene ID	19247
mRNA Refseq	NM_011202
Protein Refseq	NP_035332
UniProt ID	P35235

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