

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

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	68.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	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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