

Recombinant Mouse Ppp1r1b Protein, Myc/DDK-tagged

Cat. No. Ppp1r1b-5069M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein phosphatase 1, regulatory inhibitor subunit 1B (Ppp1r1b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a bifunctional signal transduction molecule. Dopaminergic and glutamatergic receptor stimulation regulates its phosphorylation and function as a kinase or phosphatase inhibitor. As a target for dopamine, this gene may serve as a therapeutic target for neurologic and psychiatric disorders in humans. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	21.8 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ppp1r1b protein phosphatase 1, regulatory inhibitor subunit 1B [Mus musculus (house mouse)]

Official Symbol Ppp1r1b

Synonyms PPP1R1B; protein phosphatase 1, regulatory (inhibitor) subunit 1B; protein phosphatase 1 regulatory subunit 1B; dopamine- and cAMP-regulated neuronal phosphoprotein; Darpp32; AU040756; DARPP-32

Gene ID 19049

mRNA Refseq NM_144828

Protein Refseq NP_659077

UniProt ID Q60829

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