

Recombinant Mouse Ppp1r14a Protein, Myc/DDK-tagged

Cat. No. Ppp1r14a-5061M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein phosphatase 1, regulatory inhibitor subunit 14A (Ppp1r14a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Inhibitor of PPP1CA. Has over 1000-fold higher inhibitory activity when phosphorylated, creating a molecular switch for regulating the phosphorylation status of PPP1CA substrates and smooth muscle contraction.
Molecular Mass	16.6 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Ppp1r14a protein phosphatase 1, regulatory inhibitor subunit 14A [Mus musculus (house mouse)]
Official Symbol	Ppp1r14a
Synonyms	PPP1R14A; protein phosphatase 1, regulatory (inhibitor) subunit 14A; protein phosphatase 1 regulatory subunit 14A; CPI-17; 17 kDa PKC-potentiated inhibitory protein of PP1; protein kinase C-potentiated inhibitor protein of 17 kDa; Cpi17; 1110001M11Rik
Gene ID	68458
mRNA Refseq	NM_026731
Protein Refseq	NP_081007
UniProt ID	Q91VC7

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