

Recombinant Mouse Ppp1r1a Protein, Myc/DDK-tagged

Cat. No. Ppp1r1a-5068M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein phosphatase 1, regulatory inhibitor subunit 1A (Ppp1r1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Inhibitor of protein-phosphatase 1. This protein may be important in hormonal control of glycogen metabolism. Hormones that elevate intracellular cAMP increase I-1 activity in many tissues. I-1 activation may impose cAMP control over proteins that are not directly phosphorylated by PKA. Following a rise in intracellular calcium, I-1 is inactivated by calcineurin (or PP2B). Does not inhibit type-2 phosphatases.
Molecular Mass	18.7 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	Ppp1r1a protein phosphatase 1, regulatory inhibitor subunit 1A [Mus musculus (house mouse)]
Official Symbol	Ppp1r1a
Synonyms	PPP1R1A; protein phosphatase 1, regulatory (inhibitor) subunit 1A; protein phosphatase 1 regulatory subunit 1A; IPP-1; inhibitor-1; protein phosphatase inhibitor 1; protein phosphatase inhibitor-1; I-1; 0610038N18Rik
Gene ID	58200
mRNA Refseq	NM_021391
Protein Refseq	NP_067366
UniProt ID	Q9ERT9

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