

Recombinant Mouse Ppp2ca Protein, Myc/DDK-tagged

Cat. No. Ppp2ca-5077M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform (Ppp2ca), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	PP2A is the major phosphatase for microtubule-associated proteins (MAPs). PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase. Cooperates with SGO2 to protect centromeric cohesin from separase-mediated cleavage in oocytes specifically during meiosis I. Activates RAF1 by dephosphorylating it at 'Ser-259'.
Molecular Mass	36.1 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	Ppp2ca protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform [Mus musculus (house mouse)]
Official Symbol	Ppp2ca
Synonyms	PPP2CA; protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform; serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform; PP2A-alpha; protein phosphatase 2a, catalytic subunit, alpha isoform; PP2A; R75353
Gene ID	19052
mRNA Refseq	NM_019411
Protein Refseq	NP_062284
UniProt ID	P63330

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