

Recombinant Full Length Mouse Ppp2r1a Protein (Met1-Ala589), C-His tagged

Cat. No. Ppp2r1a-6778M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Ppp2r1a (Met1-Ala589) fused with the C-terminal His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Ala589
Description	Enables protein serine/threonine phosphatase activity. Acts upstream of or within several processes, including nuclear division; peptidyl-serine dephosphorylation; and positive regulation of extrinsic apoptotic signaling pathway in absence of ligand. Located in cytosol and glutamatergic synapse. Part of protein phosphatase type 2A complex. Is active in synapse. Is expressed in several structures, including branchial arch; central nervous system; genitourinary system; limb; and sensory organ. Human ortholog (s) of this gene implicated in autosomal dominant non-syndromic intellectual disability 36. Orthologous to human PPP2R1A (protein phosphatase 2 scaffold subunit Aalpha).
Form	Lyophilized powder/frozen liquid
Molecular Mass	65.79 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	Ppp2r1a protein phosphatase 2, regulatory subunit A, alpha [Mus musculus (house mouse)]
Official Symbol	Ppp2r1a
Synonyms	PPP2R1A; protein phosphatase 2, regulatory subunit A, alpha; protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform, protein phosphatase 2 (formerly 2A), regulatory subunit A, alpha isoform; serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform; PP2A Aalpha; PR65A; protein phosphatase 2; 65kDa regulatory subunit A; protein phosphatase 2A; regulatory subunit A; alpha isoform; PP2A subunit A isoform R1-alpha; PP2A subunit A isoform PR65-alpha; medium tumor antigen-associated 61 KDA protein; protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform; serine/threonine protein phosphatase 2A, 65 kDa regulatory subunit A, alpha isoform; PP2AAALPHA; MGC786; PP2A-Aalpha;
Gene ID	51792

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mRNA Refseq	NM_016891
Protein Refseq	NP_058587
UniProt ID	Q76MZ3

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