Recombinant Rat Ppp1r1b, Phosphorylated

Cat. No. Ppp1r1b-2634R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Protein Phosphatase 1, Regulatory (Inhibitor) Subunit 1B is expressed in*E. coli*and phosphorylated on Thr34 by cAMP-dependent protein kinase (PKA).
Species	Rat
Source	E.coli
Description	Midbrain dopaminergic neurons play a critical role in multiple brain functions, and abnormal signaling through dopaminergic pathways has been implicated in several major neurologic and psychiatric disorders. One well-studied target for the actions of dopamine is DARPP32. In the densely dopamine- and glutamate-innervated rat caudate-putamen, DARPP32 is expressed in medium-sized spiny neurons that also express dopamine D1 receptors.
Form	White lyophilized solid.
Molar Mass	32000Da.
Solubility	50 mM Tris-HCl buffer, pH 7.0.
Purity	≥95% by SDS-PAGE.
Storage	≤ -20oC. Ship: Dry Ice Only.

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GENE INFORMATION

Gene Name	Ppp1r1b protein phosphatase 1, regulatory (inhibitor) subunit 1B [Rattus norvegicus]
Synonyms	Ppp1r1b; protein phosphatase 1, regulatory (inhibitor) subunit 1B; dopamine- and cAMP-regulated neuronal phosphoprotein; dopamine- and cAMP-regulated phosphoprotein DARPP-32; neuronal phosphoprotein DARPP-32; protein phosphatase 1 regulatory subunit 1B; Darpp-32; Darpp32
Gene ID	360616
mRNA Refseq	NM_138521
Protein Refseq	NP_612530
UniProt ID	Q6J4I0
Chromosome Location	10q31
Function	phosphoprotein phosphatase inhibitor activity; receptor binding

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