

## Recombinant Rat Ppp1r1b

Cat. No. Ppp1r1b-2635R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Protein Phosphatase 1, Regulatory (Inhibitor) Subunit 1B is expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	White lyophilized solid.
<b>Molar Mass</b>	32000Da.
<b>Solubility</b>	50 mM Tris-HCl buffer, pH 7.0.
<b>Purity</b>	≥95% by SDS-PAGE.
<b>Storage</b>	≤ -20°C. Ship: Dry Ice Only.

### GENE INFORMATION

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<b>Gene Name</b>	<a href="#">Ppp1r1b protein phosphatase 1, regulatory (inhibitor) subunit 1B [ Rattus norvegicus ]</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">360616</a>
<b>mRNA Refseq</b>	<a href="#">NM_138521</a>
<b>Protein Refseq</b>	<a href="#">NP_612530</a>
<b>UniProt ID</b>	<a href="#">Q6J4I0</a>
<b>Chromosome Location</b>	10q31
<b>Function</b>	phosphoprotein phosphatase inhibitor activity; receptor binding

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