Recombinant Human PPP1R1B

Cat. No. PPP1R1B-26806TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DARPP32 with proprietary tag; Predicted MWt 43.89 including tag.
Species	Human
Source	Wheat Germ
ProteinLength	168 amino acids
Description	This gene encodes a bifunctional signal transduction molecule. Dopaminergic and glutamatergic receptor stimulation regulates its phosphorylation and function as a kinase or phosphatase inhibitor. As a target for dopamine, this gene may serve as a therapeutic target for neurologic and psychiatric disorders. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	43.890kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	MLFRLSEHSSPEEEASPHQRASGEGHHLKSKRPNPCAYTPPSLKAVQRIAESHLQSISNLNENQASEEEDELGELRELGYPREEDEEEEEDDEEEEEEEDSQAEVLKVIRQSAGQKTTCGQGLEGPWERPPPLDESERDGGSEDQVEDPALSEPGEEPQRPSPSEPGT
Sequence Similarities	Belongs to the protein phosphatase inhibitor 1 family.

GENE INFORMATION

Gene Name	PPP1R1B protein phosphatase 1, regulatory (inhibitor) subunit 1B [Homo sapiens]
Official Symbol	PPP1R1B
Synonyms	PPP1R1B; protein phosphatase 1, regulatory (inhibitor) subunit 1B; protein phosphatase 1 regulatory subunit 1B; DARPP 32; dopamine and cAMP regulated phosphoprotein; FLJ20940;
Gene ID	84152
mRNA Refseq	NM_001242464
Protein Refseq	NP_001229393
MIM	604399
Uniprot ID	Q9UD71
Chromosome Location	17
Pathway	DARPP-32 events, organism-specific biosystem; Dopaminergic synapse, organism-

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	specific biosystem; Dopaminergic synapse, conserved biosystem; Nicotine Activity on Dopaminergic Neurons, organism-specific biosystem; Opioid Signalling, organism-specific biosystem;
Function	cAMP-dependent protein kinase inhibitor activity; protein kinase inhibitor activity; protein phosphatase inhibitor activity; protein phosphatase type 1 regulator activity; receptor binding;

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