Recombinant Human PPP1R3C

Cat. No. PPP1R3C-29470TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Protein phosphatase 1 inhibitor 3C with N terminal proprietary tag; Predicted MW 36.30 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	97 amino acids
Description	This gene encodes a regulatory subunit of protein phosphatase-1 (PP1). PP1 catalyzes reversible protein phosphorylation, which is important in a wide range of cellular activities: neuronal, muscular, RNA splicing, protein synthesis, cell death, and glycogen metabolism, to name just a few. By interacting with different regulatory subunits, PP1 is directed to different parts of the cell, to different substrates, or to respond to extracellular signals.
Molecular Weight	36.300kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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	cycles.
Sequences of amino acids	DLPPVIPTEQKIEFCISYHANGQVFWDNNDGQNYRIVHVQWKPDGVQTQMAPQDC AFHQTSPKTELESTIFGSPRLASGLFPEWQSWGRMENLASYR
Sequence Similarities	Contains 1 CBM21 (carbohydrate binding type-21) domain.

GENE INFORMATION

Gene Name	PPP1R3C protein phosphatase 1, regulatory subunit 3C [Homo sapiens]
Official Symbol	PPP1R3C
Synonyms	PPP1R3C; protein phosphatase 1, regulatory subunit 3C; PPP1R5, protein phosphatase 1, regulatory (inhibitor) subunit 3C; protein phosphatase 1 regulatory subunit 3C; Phosphatase 1; regulatory inhibitor subunit 5; protein targeting to glycogen; PTG;
Gene ID	5507
mRNA Refseq	NM_005398
Protein Refseq	NP_005389
MIM	602999
Uniprot ID	Q9UQK1
Chromosome Location	10q23-q24

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Pathway	Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Insulin signaling pathway, organism-specific biosystem; Insulin signaling pathway, conserved biosystem;
Function	enzyme binding; protein binding; protein serine/threonine phosphatase activity;

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