

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 DLPPVIPTEQKIEFCISYHANGQVFDNNDGQNYRIVHVQWKPDGVQTQMAPQDC
AFHQTSKPTELESTIFGSPRLASGLFPEWQSWGRMENLASYSR

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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