

Recombinant Human PPP2R5C

Cat. No. PPP2R5C-29538TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 1-100 of Human PPP2R5C with an N terminal proprietary tag; Predicted MWt 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	The product of this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a gamma isoform of the regulatory subunit B56 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Highest levels in heart, skeletal muscle and brain. Lower levels in pancreas, kidney, lung and placenta. Very low levels in liver.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MLTCNKAGSRMVVDAANSNGPFQPVLLHIRDVPPADQEKLFIQKLRQCCVLFDFV SDPLSDLKWKEVKRAALSEMVEYITHNRNVITEPIYPEVVHMFA
Sequence Similarities	Belongs to the phosphatase 2A regulatory subunit B56 family.

GENE INFORMATION

Gene Name	PPP2R5C protein phosphatase 2, regulatory subunit B, gamma [Homo sapiens]
Official Symbol	PPP2R5C
Synonyms	PPP2R5C; protein phosphatase 2, regulatory subunit B, gamma; protein phosphatase 2, regulatory subunit B (B56), gamma isoform , protein phosphatase 2, regulatory subunit B, gamma isoform; serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit
Gene ID	5527
mRNA Refseq	NM_001161725
Protein Refseq	NP_001155197
MIM	601645

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Uniprot ID	Q13362
Chromosome Location	14q32.31
Pathway	Adaptive Immune System, organism-specific biosystem; Beta-catenin phosphorylation cascade, organism-specific biosystem; CTLA4 inhibitory signaling, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Costimulation by the CD28 family, organism-specific biosystem;
Function	binding; peptidase activity; protein binding; protein phosphatase type 2A regulator activity; protein phosphatase type 2A regulator activity;

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