

Recombinant Human PPP1CC

Cat. No. PPP1CC-29101TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PP1C gamma with N-terminal proprietary tag.Mol Wt 61.27 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	323 amino acids
Description	The protein encoded by this gene belongs to the protein phosphatase family, PP1 subfamily. PP1 is an ubiquitous serine/threonine phosphatase that regulates many cellular processes, including cell division. It is expressed in mammalian cells as three closely related isoforms, alpha, beta/delta and gamma, which have distinct localization patterns. This gene encodes the gamma isozyme. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	61.270kDa 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

cycles.

Sequences of amino acids

MADLDKLNIDSIIQRLLLEVGRGSKPGKNVQLQENEIRGLCL KSREIFLSQPILLELEAPL
KICGDIHGQYYDLLRLFYGG FPESNYLFLGDYVDRGKQSLETICLLLAYKIKYPEN
FFL LRGNHECASINRIYGFYDECKRRYNIKLWKTFTDCFNCLP IAAIVDEKIFCCHGG
LSPDLQSMEQIRRIMRPTDVPDQGL LCDLLWSDPDKDVLGWGENDRGVSFTFGAE
VVAKFLHKHD LDLICRAHQVVEDGYEFAKRQLVTLFSAPNYCGEFDNAG AMMSV
DETLMCSFQILKPAEKKKPNATRPVTPPRGMITKQ AKK

Sequence Similarities

Belongs to the PPP phosphatase family. PP-1 subfamily.

GENE INFORMATION

Gene Name [PPP1CC protein phosphatase 1, catalytic subunit, gamma isozyme \[Homo sapiens \]](#)

Official Symbol [PPP1CC](#)

Synonyms

PPP1CC; protein phosphatase 1, catalytic subunit, gamma isozyme; protein phosphatase 1, catalytic subunit, gamma isoform; serine/threonine-protein phosphatase PP1-gamma catalytic subunit; PP1gamma;

Gene ID [5501](#)

mRNA Refseq [NM_001244974](#)

Protein Refseq [NP_001231903](#)

MIM [176914](#)

Uniprot ID [P36873](#)

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Chromosome Location	12q24.1-q24.2
Pathway	Aurora B signaling, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem;
Function	hydrolase activity; metal ion binding; protein binding; protein kinase binding; protein serine/threonine phosphatase activity;

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