

# Recombinant Human PPP1CC Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PPP1CC-3004H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PPP1CC MS Standard C13 and N15-labeled recombinant protein (NP_002701) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 37 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MADLDKLNIDSIIQRLLEVRGSKPGKNVQLQENEIRGLCLKSREIFLSQPILLELEAPLK<br>ICGDIHGQYYDLLRLFYGGFPPESNYFLG DYVDRGKQSLETICLLLAYKIKYPENFF<br>LLRGNHECASINRIYGFYDECKRRYNIKLWKTFTDCFNCLPIAAIVDEKIFCCHGGLSP<br>DLQSMEQIRRMPTDVPDQGLLCDLLWSDPKDVLGWGENDRGVSFTFGAEVVA<br>KFLHKHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGAMMSVDETL<br>MCSFQILKPAEKKKPNATRPVTPPRGMITKQAKKTRTRPLEQKLISEEDLAANDILDY<br>KDDDDKV                                                                                                                |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

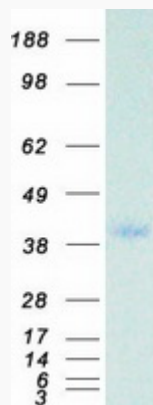
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PPP1CC protein phosphatase 1 catalytic subunit gamma [ Homo sapiens (human) ]                                                                                                                                                                                                                       |
| <b>Official Symbol</b> | PPP1CC                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | PPP1CC; protein phosphatase 1, catalytic subunit, gamma isozyme; protein phosphatase 1, catalytic subunit, gamma isoform; serine/threonine-protein phosphatase PP1-gamma catalytic subunit; PP1gamma; serine/threonine phosphatase 1 gamma; protein phosphatase 1C catalytic subunit; PP-1G; PPP1G; |
| <b>Gene ID</b>         | 5501                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>     | NM_002710                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>  | NP_002701                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>             | 176914                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>      | P36873                                                                                                                                                                                                                                                                                              |

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**SDS-PAGE**

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