

Product datasheet for TP304158M

OriGene Technologies, Inc.

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PP1C gamma (PPP1CC) (NM_002710) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human protein phosphatase 1, catalytic subunit, gamma isoform

(PPP1CC), 100 µg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC204158 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MADLDKLNIDSIIQRLLEVRGSKPGKNVQLQENEIRGLCLKSREIFLSQPILLELEAPLKICGDIHGQYY DLLRLFEYGGFPPESNYLFLGDYVDRGKQSLETICLLLAYKIKYPENFFLLRGNHECASINRIYGFYDEC KRRYNIKLWKTFTDCFNCLPIAAIVDEKIFCCHGGLSPDLQSMEQIRRIMRPTDVPDQGLLCDLLWSDPD KDVLGWGENDRGVSFTFGAEVVAKFLHKHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAG

AMMSVDETLMCSFQILKPAEKKKPNATRPVTPPRGMITKQAKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 36.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 002701

Locus ID: 5501





UniProt ID: <u>P36873</u>, <u>A0A024RBP2</u>

RefSeq Size: 2526

Cytogenetics: 12q24.11

RefSeq ORF: 969

Synonyms: PP-1G; PPP1G

Summary: 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

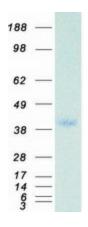
been found for this gene. [provided by RefSeq, Oct 2011]

Protein Families: Druggable Genome, Phosphatase

Protein Pathways: Focal adhesion, Insulin signaling pathway, Long-term potentiation, Oocyte meiosis, Regulation

of actin cytoskeleton, Vascular smooth muscle contraction

Product images:



Coomassie blue staining of purified PPP1CC protein (Cat# [TP304158]). The protein was produced from HEK293T cells transfected with PPP1CC cDNA clone (Cat# [RC204158]) using

MegaTran 2.0 (Cat# [TT210002]).