

**PPP1CC, 1-323aa, Human, His tag, E.coli**

**Cat.NO.: TP03500**

3th Edition

**Synonyms:** Serine/threonine-protein phosphatase PP1-gamma catalytic subunit, PP1gamma, PPP1G.

**Description:** PPP1CC, also known as serine/threonine-protein phosphatase PP1-gamma catalytic subunit, is essential for cell division, and participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. This protein is involved in regulation of ionic conductances and long-term synaptic plasticity and may play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca<sup>2+</sup>/calmodulin dependent protein kinase II.

**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 50% glycerol, 0.2M NaCl, 2mM DTT

**Molecular Weight:** 39.1 kDa (343aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMADLDKLNIDSIIQRLLLEVRGSKPGKNVQLQENEIRGLCLKSREIFLSQPILLELEAP  
LKICGDIHGQYYDLLRLFYGGFPPESENFLGDYVDRGKQSLETICLLLAYKIKYPENFFLLRGNHECASINRIYGFY  
DECKRRYNIKLWKTFTDCFNCLPIAAIVDEKIFCCHGGLSPDLQSMEQIRIRMRPTDVPDQGLLCDLLWSDPKDVL  
GWGENDRGVSFTFGAEVVAKFLHKHDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGAMMSVDETL  
MCSFQILKPAEKKKPNATRPVTPPRGMITKQAKK

**Purity:** > 95% by HPLC

**Concentration:** 0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.