
PPP1SS, 1-323aa, Human, His-tag, E.coli (Bioactivity Validated)

Cat.NO.: TP03506

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 Ca²⁺/calmodulin dependent protein kinase II. Recombinant human PPP1CC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

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:

MGSSHHHHHSSGLVPRGSHMADLDKLNIDSIIQRLLEVRGSKPGKNVQLQENEIRGLCLKSREIFLSQPILLELEAP
LKICGDIHGQYYDLLRLFYGGFPPESNYLFLGDYVDRGKQSLETICLLLAYKIKYPENFFLLRGNHECASINRIYGFY
DECKRRYNIKLWKTFTDCFNCLPIAAIVDEKIFCCHGGLSPDLQSMEQIRRIMRPTDVPDQGLLCDLLWSDPKDVL
GWGENDRGVSFTFGAEVVAFLHKHDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGAMMSVDETL
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.