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

产品货号: TP03506

第三版

别名: Serine/threonine-protein phosphatase PP1-gamma catalytic subunit, PP1gamma, PPP1G

描述: 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.

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

分子量: 39.1 kDa (343aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMADLDKLNIDSIIQRLLLEVRGSKPGKNVQLQENEIRGLCLKSREIFLSQPILLELEAPLKICG
DIHGQYYDLLRLFYGGFPPE\$NYLFLGDYVDRGKQSLETICLLLAYKIKYPENFFLLRGNHECASINRIYGFYDECKRRYNIK
LWKTFTDCFNCLPIAAIVDEKIFCCHGGLSPDLQ\$MEQIRRI\$MRPTDVPDQGLLCDLLWSDPKDVLGWGENDRGVSFTF
GAEVVAKFLHKHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGAMMSVDETLMCSFQILKPAEKKKPNA
TRPVTPPRGMITKQAKK

纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.