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PPP1CA, 1-330aa, Human, His tag, E.coli

产品货号: TP03499

第三版

别名: Serine/threonine-protein phosphatase PP1-alpha catalytic subunit, PP-1A, PP1alpha, PPP1A.

描述: PPP1CA, also known as serine/threonine-protein phosphatase PP1-alpha catalytic subunit, is essential for cell division, and participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. This protein may play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca²⁺/calmodulin dependent protein kinase II. Recombinant human PPP1CA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方: Liquid. 50mM Tris-HCl (pH8.5), 0.2M NaCl, 1mM DTT, 0.1mM PMSF, 1mM MnCl₂, 50% glycerol.

分子量: 39.7 kDa (350aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMSDSEKLNLDSSIIGRLLEVQGSRPGKNVQLTENEIRGLCLKSREIFLSQPILLELEAPLKICG
DIHGQYYDLLRLFYGGFPPE\$NYLFLGDYVDRGKQSLETICLLLAYKIKYPENFFLLRGNHECASINRIYGFYDECKRRYNIK
LWKTFTDCFNCLPIAAIVDEKIFCCHGGLSPDLQ\$MEQIRRI\$MRPTDVPDQGLLCDLLWSDPKDVQGWGENDRGVSFT
FGAEVVAKFLHKHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGAMMSVDETL\$MCSFQILKPADKNKG
KYGQFSGLNPGGRPITPPRNSAKAKK

纯度: > 95% by HPLC

浓度: 0.2 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.