

RPPB2164

Product Information Protein Information

Product SKU:

RPPB2164

Accession:

P36873

Host:

Escherichia Coli.

Protein description:

PPP1CC produced in E.Coli is a single, non-glycosylated polypeptide chain containing 343 amino acids (1-323a.a.) and having a molecular mass of 39.1kDa. PPP1CC is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Protein phosphatase 1 catalytic subunit gamma isozyme/isoform, Protein phosphatase 1C catalytic subunit, serine/threonine phosphatase 1 gamma, serine/threonine-protein phosphatase PP1-gamma catalytic subunit, PP1gamma, PPP1G, EC 3.1.3.16.

Formulation:

The PPP1CC protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 50% glycerol.

Purity:

Greater than 85.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MADLDKLNID SIIQRLLEVR GSKPGKNVQL QENEIRGLCL KSREIFLSQP
ILLELEAPLK ICGDIHGQYY DLLRLFYGG FPPESNYFL GDYVDRGKQS LETICLLLAY KIKYPENFFL LRGNHECASI
NRIYGFYDEC KRRYNIKLWK TFTDCFNCLP IAAIVDEKIF CCHGGLSPDL QSMEQIRIM RPTDVPDQGL
LCDLLWSDPD KDLGWGEND RGVSTFGAE VVAKFLHKHD LDICRAHQV VEDGYEFFAK RQLVTLFSAP
NYCGEFDNAG AMMSVDETLM CSFQILKPAE KKKPNATRPV TPRGMITKQ AKK.

Biological Activity:

Specific activity is > 700 units/mg, and is defined as the amount of enzyme that hydrolyzes 1.0 nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37°C.