

Protein Phosphatase 1, Catalytic Subunit Gamma Human Recombinant,

Item Number	rAP-1514
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.
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.
Uniprot Accession Number	P36873
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MADLDKLNID SIIQRLLEVR GSKPGKNVQL QENEIRGLCL KSREIFLSQP ILLELEAPLK ICGDIHGQYY DLLRLFYEGG FPESNYLFL GDYVDRGKQS LETICLLLAY KIKYPENFFL LRGNHECASI NRIYGFYDEC KRRYNIKLWK TFTDCFNCLP IAAIVDEKIF CCHGGLSPDL QSMEQIRRM RPTDVPDQGL LCDLLWSDPD KDLGWGEND RGVSFTEGAE VVAKFLHKHD LDLCRA- HQV VEDGYEFFAK RQLVTLFSAP NYCGEFDNAG AMMSVDETLM CSFQILKPAE KKKPNATRPV TPPRGMITKQ AKK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	The PPP1CC protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 50% glycerol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**