

Human PPP1CA Recombinant Protein



RPPB2162

Product Information Protein Information

Product SKU:

RPPB2162

Accession:

P62136

Host:

Escherichia Coli.

Protein description:

PPP1CA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 350 amino acids (1-330 a.a) and having a molecular mass of 39.7kDa. PPP1CA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered yellowish solution.

Synonyms:

Serine/threonine-protein phosphatase PP1-alpha catalytic subunit, PP-1A, PPP1CA, PPP1A, PP1alpha.

Formulation:

PPP1CA protein solution (0.2mg/ml) containing 50mM Tris-HCl (pH8.5), 0.2M NaCl, 1mM DTT, 0.1mM PMSF, 1mM MnCl₂ and 50% glycerol.

Purity:

Greater than 80.0% 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 MSDSEKLNLD SIIGRLLEVQ GSRPGKNVQL TENEIRGLCL KSREIFLSQP
ILLELEAPLK ICGDIHGQYY DLLRLFYGG FPESNYLFL GDYVDRGKQS LETICLLLAY KIKYPENFFL LRGNHECASI
NRIYGFYDEC KRRYNIKLWK TFTDCFNCLP IAAIVDEKIF CCHGGLSPDL QSMEQIRIRIM RPTDVPDQGL
LCDLLWSDPD KDVQGWGEND RGVSFTEGAE VVAKFLHKHD LDICRAHQV VEDGYEFFAK RQLVTLFSAP
NYCGEFDNAG AMMSVDETLM CSFQILKPAD KNKGKYGQFS GLNPGGRPIT PPRNSAKAKK.

Biological Activity:

Specific activity: >3,000 units/mg. Enzymatic activity was confirmed by measuring the amount of enzyme hydrolyzing 1 nmole of p-nitrophenyl phosphate (pNPP) per minute at 37C, pH7.5 using 30mM of substrate.