

Phosphatase 1 Recombinant Protein | PPP1CC recombinant protein

Recombinant Human Protein Phosphatase 1, Catalytic Subunit Gamma

CATALOG # AAA38924	HOST E Coli
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PRODUCT SYNONYMS

Phosphatase 1; Recombinant Human Protein Phosphatase 1; Catalytic Subunit Gamma; PPP1CC Human; Protein Phosphatase 1; Catalytic Subunit Gamma Human Recombinant; 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; PPP1CC recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 85% as determined by SDS-PAGE.
Form/Format	The PPP1CC solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 50% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMAD LDKLNIDSII QRLLEVRGSK PGKNVQLQEN EIRGLCLKSR EIFLSQPILL ELEAPLKICG DIHGQYYDLL RLFEYGGFPP ESNYFLG DY VDRGKQSLET ICLLLAYKIK YPENFFLLRG NHECASINRI YGFYDECKRR YNIKLWKTFT DCFNCLPIAA IVDEKIFCCH GGLSPDLQSM EQIRRM RPT DVPDQGLLCD LLWSDPKDV LGWGENDRGV SFTFGAEVVA KFLHKHDL DL ICRAHQVVED GYEFFAKRQL VTLFSAPNYC GEFDNAGAMM SVDETL MCSF QILKPAEKKK PNATRPVTPP RGMITKQAKK
Sequence Length	337

ADDITIONAL INFORMATION

Related Product Information for PPP1CC recombinant protein	Description: PPP1CC Human Recombinant produced in E Coli is a single polypeptide chain containing 343 amino acids (1-323) 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. Introduction: PPP1CC is vital for cell division and takes part in the regulation of protein synthesis, muscle contractility and glycogen metabolism. Additionally, PPP1CC has a role in long-term synaptic plasticity and regulation of ionic conductance, and has a significant role in dephosphorylating substrates such as the postsynaptic density-associated Ca²⁺/calmodulin dependent protein kinase II.
Product Categories/Family for PPP1CC recombinant protein	Enzymes; Phosphatase

NCBI AND UNIPROT INFORMATION

NCBI GI #	350276247
NCBI GeneID	5501
NCBI Accession #	NP_001231903.1
NCBI GenBank Nucleotide #	NM_001244974.1
UniProt Accession #	P36873
Molecular Weight	38,518 Da
NCBI Official Full Name	serine/threonine-protein phosphatase PP1-gamma catalytic subunit isoform 2

NCBI Official Synonym Full Names	protein phosphatase 1, catalytic subunit, gamma isozyme
NCBI Official Symbol	PPP1CC
NCBI Official Synonym Symbols	PP1C; PP-1G; PPP1G
NCBI Protein Information	serine/threonine-protein phosphatase PP1-gamma catalytic subunit; protein phosphatase 1, catalytic subunit, gamma isoform; protein phosphatase 1C catalytic subunit; serine/threonine phosphatase 1 gamma
UniProt Protein Name	Serine/threonine-protein phosphatase PP1-gamma catalytic subunit
UniProt Gene Name	PPP1CC
UniProt Synonym Gene Names	PP-1G
UniProt Entry Name	PP1G_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ppp1cc-recombinant-protein-e-coli/38924>