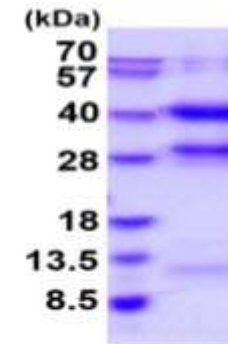


PPP1SS, human recombinant

CATALOG NO:	P1182-10	10 µg
ALTERNATE NAMES:	Serine/threonine-protein phosphatase PP1-gamma catalytic subunit, PP1gamma, PPP1G	
CONCENTRATION:	0.25 mg/ml (determined by Bradford assay)	
SOURCE:	<i>E.coli</i> (1-323aa)	
PURITY:	> 85% by SDS-PAGE	
MOL. WEIGHT:	This protein is fused with 6x His tag at N terminus and the protein has a calculated MW of 39.1 kDa (343aa)	
FORM:	Liquid	
FORMULATION:	20mM Tris-HCl buffer (pH8.0) containing 50% glycerol, 0.2M NaCl, 2mM DTT	
STORAGE CONDITIONS:	Store at +4°C for short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freeze/thaw cycles.	
SEQUENCE:	<p>MGSSHHHHHH SSSLVPRGSH MADLDKLNID SIIQRLLLEVR GSKPGKNVQL QENEIRGLCL KSREIFLSQP ILLELEAPLK ICGDIHGQYY DLLRLFYGG FPPESNYLFL GDYVDRGKQS LETICLLLAY KIKYPENFFL LRGNHECASI NRIYGFYDEC KRRYNIKLVK TFTDCFNCLP IAAIVDEKIF CCHGGLSPDL QSMEQIRIRIM RPTDVPDQGL LCDLLWSDPD KDLVWGWEND RGVSTFTGAE VVAKFLHKHD LDLICRAHQV VEDGYEFFAK RQLVTLFSAP NYCGEFDNAG AMMSVDETLM CSFQILKPAE KKKPNATRPV TPRRGMITKQ AKK</p>	
DESCRIPTION:	<p>PPP1CC, also known as serine/threonine-protein phosphatase PP1-gamma catalytic subunit, is essential for cell division, and participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. This protein is involved in regulation of ionic conductances and long-term synaptic plasticity and may play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca²⁺/calmodulin dependent protein kinase II. Recombinant human PPP1CC protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography</p>	
SPECIFIC ACTIVITY:	<p>Specific activity is > 700 units/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37°C.</p>	



15% SDS-PAGE (3µg)

Human recombinant PPP1SS

RELATED PRODUCT:

- Ethanolamine Kinase 2, human recombinant (**Cat. No. P1158**)
- Glucokinase, human liver, recombinant (**Cat. No. 7776**)
- Glucokinase, human pancreatic, recombinant (**Cat. No. 7777**)
- Guanylate kinase, human recombinant (**Cat. No. P1101**)
- Human Recombinant PKLR (**Cat. No. 6373**)
- Human Recombinant PKM2 (**Cat. No. 6372**)
- NAD Kinase, human recombinant (**Cat. No. 7560**)
- NAD Kinase (catalytic domain), human recombinant (**Cat. No. 7559**)
- Human CellExp™ Cathepsin S, human recombinant (**Cat. No. 7277-10**)

FOR RESEARCH USE ONLY! Not to be used on humans.