Datasheet for ABIN7318961

PPP1CC Protein (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	PPP1CC
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP1CC protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PPP1CC Protein (His Tag)
Sequence:	Met 1-Lys323
Characteristics:	Recombinant Human Protein Phosphatase 1C Catalytic Subunit is produced by our E.coli expression system and the target gene encoding Met1-Lys323 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PPP1CC
Alternative Name:	PPP1CC (PPP1CC Products)
Background:	Background: Serine/Threonine-Protein Phosphatase PP1-Y Catalytic Subunit (PPP1CC) is a member of the PPP phosphatase family. It is essential for cell division, participates in the

Target Details

	regulation of glycogen metabolism, muscle contractility and protein synthesis. PPP1CC colocalizes with SPZ1 in the nucleus, with URI1 at mitochondrion, Rapidly exchanges between the nucleolar, nucleoplasmic and cytoplasmic compartments. As a cofactor, PPP1CC binds one iron ion and one manganese ion per subunit.. In addition, PPP1CC may play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca2+/calmodulin dependent protein kinase II. Synonym: Serine/Threonine-Protein Phosphatase PP1-Gamma Catalytic Subunit, PP-1G, Protein Phosphatase 1C Catalytic Subunit, PPP1CC
Molecular Weight:	40.2 kDa
UniProt:	P36873
Pathways:	Cellular Glucan Metabolic Process, Lipid Metabolism

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 1 mM DTT,20 % Glycerol, pH 8.0 .
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

