

Recombinant Human Protein Phosphatase 1C Catalytic Subunit/PPP1CC Protein(N, C-6His)

Cat.NO.: TP06035

3th Edition

Synonyms:Serine/Threonine-Protein Phosphatase PP1-Gamma Catalytic Subunit; PP-1G; Protein Phosphatase 1C Catalytic Subunit; PPP1CC

Description:Serine/Threonine-Protein Phosphatase PP1-? Catalytic Subunit (PPP1CC) is a member of the PPP phosphatase family. It is essential for cell division, participates in the 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.

Form:PBS

Molecular Weight:40.2 kDa

Sequences:Met 1-Lys323

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.