



Recombinant Protein Technical Manual

Recombinant Human PPP1CC Protein (His Tag)

RPES3305

Product Data:

Product SKU: RPES3305

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P36873

Protein Information:

Molecular Mass: 40.2 kDa

AP Molecular Mass: 30-40 kDa

Tag: N,C-6His

Bio-activity:

Purity: > 85 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 1mM DTT, 20% Glycerol, pH 8.0 .

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Met 1-Lys323

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 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.