Recombinant Human PPP1CC Protein (His Tag)

Catalog Number: PKSH032969



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Serine/Threonine-Protein Phosphatase PP1-Gamma Catalytic

Subunit; PP-1G; Protein Phosphatase 1C Catalytic Subunit; PPP1CC

Species Human
Expression Host E.coli

Sequence Met 1-Lys323

AccessionP36873Calculated Molecular Weight40.2 kDaObserved molecular weight30-40 kDaTagN-His & C-His

Properties

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

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

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

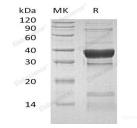
Shipping This product is provided as liquid. It is shipped at frozen temperature with blue

ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 1mM DTT, pH 8.0.

Reconstitution Not Applicable

Data



> 85 % as determined by reducing SDS-PAGE.

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.

For Research Use Only

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