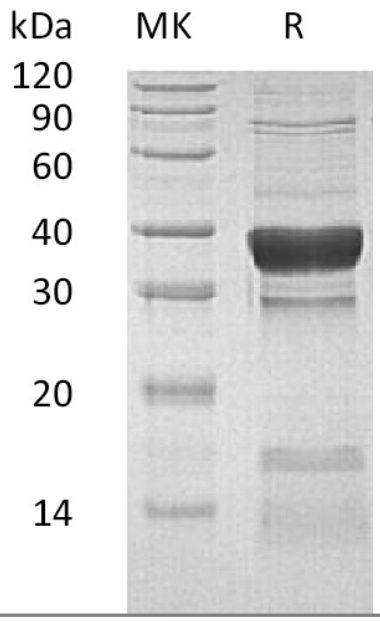
Product Name: Recombinant Human PPP1CC (N, C-6His)
Catalog #: PEH1358

Summary

Name	PPP1CC/Protein phosphatase 1C catalytic subunit
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P36873
Host	E.coli
Species	Human
Predicted Molecular Mass	40.2 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 1mM DTT, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

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

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.

Note

For Research Use Only , Not for Diagnostic Use.