

Bioactive

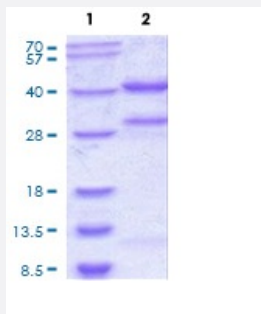
Full-Length

PPP1CC (Human) Recombinant Protein

Catalog # P8011

Size 100 ug

Applications



Specification

Product Description

Human PPP1CC (P36873, 1 a.a. - 323 a.a.) full length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MADLDKLNIDSIQRLLEVGRGSKPGKNVQLQENEIRGLCLKSREIFLSQPILLELEAPLKICGDIHGQY
YDLLRLFYGGFPPESNYFLGDYVDRGKQSLETICLLLAYKIKYPENFFLLRGNHECASINRIYGFY
DECKRRYNIKLWKTFTDCFNCLPIAAVDEKIFCCHGGLSPDLQSMEQIRRMPTDVPDQGLLCDL
LWSDPKDVLGWGENDRGVSFTFGAEVVAKFLHKHDLICRAHQVVEDGYEFFAKRQLVTLF
SAPNYCGEFDNAGAMMSVDETLMCSFQILKPAEKKKPNATRPVTPPRGMITKQAKK

Host

Escherichia coli

Theoretical MW (kDa)

39.1

Form

Liquid

Preparation Method

Escherichia coli expression system

Purity

> 85% by SDS-PAGE

Activity

Specific activity is > 700 unit/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37°C.

Quality Control Testing

3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.

Storage Buffer

In 20mM Tris-HCl pH 8.0 (50% glycerol, 0.2 M NaCl, 2 mM DTT)

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — PPP1CC

Entrez GeneID[5501](#)**Protein Accession#**[P36873](#)**Gene Name**

PPP1CC

Gene Alias

PPP1G

Gene Description

protein phosphatase 1, catalytic subunit, gamma isoform

Omim ID[176914](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

catalytic subunit

Other Designations

serine/threonine phosphatase 1 gamma

Pathway

- [Focal adhesion](#)
- [Insulin signaling pathway](#)
- [Long-term potentiation](#)
- [Regulation of actin cytoskeleton](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Azoospermia](#)
- [Infertility](#)
- [Oligospermia](#)