

Recombinant Human PPP1R3C Protein, His-tagged

Cat. No. PPP1R3C-2619H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPP1R3C Protein (Met1-Arg317) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Arg317
Description	This gene encodes a carbohydrate binding protein that is a subunit of the protein phosphatase 1 (PP1) complex. PP1 catalyzes reversible protein phosphorylation, which is important in a wide range of cellular activities. The encoded protein affects glycogen biosynthesis by activating glycogen synthase and limiting glycogen breakdown by reducing glycogen phosphorylase activity. DNA hypermethylation of this gene has been found in colorectal cancer patients. The encoded protein also interacts with the laforin protein, which is a protein tyrosine phosphatase implicated in Lafora disease.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.1 kDa Accurate Molecular Mass: 40 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PPP1R3C protein phosphatase 1, regulatory subunit 3C [Homo sapiens (human)]
Official Symbol	PPP1R3C
Synonyms	PPP1R3C; protein phosphatase 1, regulatory subunit 3C; PPP1R5, protein phosphatase 1, regulatory (inhibitor) subunit 3C; protein phosphatase 1 regulatory subunit 3C; Phosphatase 1; regulatory inhibitor subunit 5; protein targeting to glycogen; PTG; PP1 subunit R5; protein phosphatase 1 regulatory subunit 5; Phosphatase 1, regulatory inhibitor subunit 5; protein phosphatase 1, regulatory (inhibitor) subunit 3C; PPP1R5;
Gene ID	5507

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_005398
Protein Refseq	NP_005389
MIM	602999
UniProt ID	Q9UQK1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA