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## PPP2CA Protein (AA 1-309) (His tag)



#### Overview

Quantity:	100 μg
Target:	PPP2CA
Protein Characteristics:	AA 1-309
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP2CA protein is labelled with His tag.

#### **Product Details**

Sequence:	Met 1-Leu 309
Characteristics:	A DNA sequence encoding the Human PP2A-Ca/PPP2CA protein (P67775) (Met 1-Leu 391) was expressed with a N-His&C-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

### Target Details

Target:	PPP2CA
Alternative Name:	PP2A-Calpha (PPP2CA Products)
Background:	Abbreviation: PP2A-Cα,PPP2CA
	Target Synonym: Serine/threonine-protein phosphatase 2A catalytic subunit alpha
	isoform,PPP2CA, PP2A-alpha,Replication protein C (RP-C),PPP2CA
	Background: Protein Phosphatase 2A (PP2A) is an enzyme that removes phosphates covalently

Target Details	
	attached to serine and threonine residues in proteins. It contains three subunits, a catalytic subunit C (PP2Ac), an assembly/structural subunit A (PP2Aa), and a regulatory subunit B (PP2Ab). PP2A is a ubiquitous enzyme that plays a role in regulating many cellular activities varying from ion transport in erythrocytes to suppressing tumor growth. Binding of the SV40 small T antigen to the PP2A phosphatase complex is known to cause oncogenic transformation.
Molecular Weight:	Calculated MW: 39.3 kDa Observed MW: 40 kDa
UniProt:	P67775
Pathways:	PI3K-Akt Signaling, Mitotic G1-G1/S Phases, Hepatitis C, Toll-Like Receptors Cascades
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized

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Buffer:	Lyophilized from sterile PBS, pH 7.4.  Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months