

## Datasheet for ABIN7319370 PPIA Protein



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### Overview

Quantity:	50 µg
Target:	PPIA
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human Cyclophilin A Protein
Sequence:	Met 1-Glu165
Characteristics:	Recombinant Human Peptidyl-prolyl Cis-trans Isomerase A is produced by our E.coli expression system and the target gene encoding Met1-Glu165 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	PPIA
Alternative Name:	Cyclophilin A ( <a href="#">PPIA Products</a> )
Background:	Background: Peptidyl-prolyl cis-trans isomerase A is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family, which catalyzes the cis-trans isomerization of proline imidic peptide bonds. Cyclophilin A regulate many biological processes, including intracellular signaling, transcription, inflammation, and apoptosis. Cyclophilin is also incorporated into many viruses,

## Target Details

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including HIV1, where it has been speculated to be involved in functions such as viral assembly and infectivity. The immunosuppressive activity of cyclosporins has been correlated with their ability to form complexes with cyclophilins that inhibit calcineurin phosphatase activity and prevent incorporation of cyclophilin into viral particles. The cyclosporin/cyclophilin complex selectively binds and inactivates calcineurin, making it a useful inhibitor for studying calcineurin activity.

Synonym: Peptidyl-prolyl cis-trans isomerase A, PPIase A, Cyclophilin A, Cyclosporin A-binding protein, Rotamase A, SP18, PPIA, CYPA

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Molecular Weight: 18 kDa

UniProt: [P62937](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of PBS, 10 % glycerol, pH 7.4 .

Storage: -20 °C

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