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Datasheet for ABIN7197304  
**PPIA Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	PPIA
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPIA protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Cyclophilin A Protein (His Tag)
Sequence:	Met 1-Glu 165
Characteristics:	A DNA sequence encoding the human PPIA (P62937) (Met 1-Glu 165) was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.

### Target Details

Target:	PPIA
Alternative Name:	Cyclophilin A ( <a href="#">PPIA Products</a> )
Background:	Background: Peptidyl-prolyl cis-trans isomerase A; also known as PPIase A; Rotamase A; Cyclophilin A; Cyclosporin A-binding protein; PPIA and CYPA; is a cytoplasm protein which belongs to the cyclophilin-type PPIase family and PPIase A subfamily. Cyclophilins (CyPs) are a family of proteins found in organisms ranging from prokaryotes to humans. These molecules

## Target Details

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exhibit peptidyl-prolyl isomerase activity; suggesting that they influence the conformation of proteins in cells. PPIA / Cyclophilin A accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIA / Cyclophilin A is secreted by vascular smooth muscle cells in response to inflammatory stimuli; and could thus contribute to atherosclerosis. It is not essential for mammalian cell viability. PPIA / Cyclophilin A can interact with several HIV proteins; including p55 gag; Vpr; and capsid protein; and has been shown to be necessary for the formation of infectious HIV virions.

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

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UniProt: [P62937](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 50 mM Tris, 150 mM NaCl, 20 % glycerol, pH 7.7

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.