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# **PPIA Protein**



Image



## Overview

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

## **Product Details**

Purpose:	Recombinant Mouse Cyclophilin A Protein
Sequence:	Met1-Leu164
Characteristics:	Recombinant Mouse Peptidyl-prolyl Cis-trans Isomerase A is produced by our E.coli expression system and the target gene encoding Met1-Leu164 is expressed.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

# Target Details

Target:	PPIA
Alternative Name:	Cyclophilin A (PPIA Products)
Background:	Background: Peptidyl-prolyl cis-trans isomerase A is a cytoplasm protein which belongs to the cyclophilin-type PPlase family and PPlase A subfamily. Cyclophilins(CyPs) are a family of
	proteins found in organisms ranging from prokaryotes to humans. These molecules exhibit
	peptidyl-prolyl isomerase activity, suggesting that they influence the conformation of proteins in

cells. Cyclophilin A accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. 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, PPlase A, Cyclophilin A, Cyclosporin A-binding protein, Rotamase A, SP18, PPIA, CYPA

Molecular Weight: 18 kDa

NCBI Accession: NP\_032933

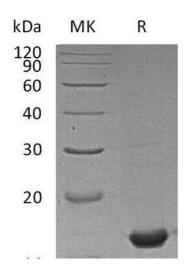
## **Application Details**

Restrictions: For Research Use only

## Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 $\mu m$ 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.

## **Images**



## **Western Blotting**

Image 1.