

## Recombinant Mouse Ppia Protein

**Cat. No.** Ppia-872M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Ppia Protein (Met1-Leu164) was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-164 a.a.
<b>Description</b>	<p>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.</p>
<b>Form</b>	Supplied as a 0.2 µm filtered solution of PBS, 10%glycerol, pH7.4.
<b>AA Sequence</b>	<p>MVNPTVFFDITADDEPLGRVSEFELFADKVPKTAENFRALSTGEKGFYKGGSSFHRIIP            GFMCQGG DFTRHNGTGGRSIYGEKFEDENFILKHTGPGILSMANAGPNTNGSQFFI            CTAKTEWLDGKHVVFG KVKEGMNIVEAMERFGSRNGKTSKKITISDCGQL</p>
<b>Endotoxin</b>	Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.

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**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Storage** Store at < -20 centigrade, stable for 6 months after receipt.  
Please minimize freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** [Ppia peptidylprolyl isomerase A \[ Mus musculus \]](#)

**Official Symbol** [Ppia](#)

**Synonyms** PPIA; peptidylprolyl isomerase A; peptidyl-prolyl cis-trans isomerase A; SP18; PPIase A; rotamase A; cyclophilin A; cyclosporin A-binding protein; Cphn; CypA; CyP-18; 2700098C05;

**Gene ID** [268373](#)

**mRNA Refseq** [NM\\_008907](#)

**Protein Refseq** [NP\\_032933](#)

**UniProt ID** [P17742](#)

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