

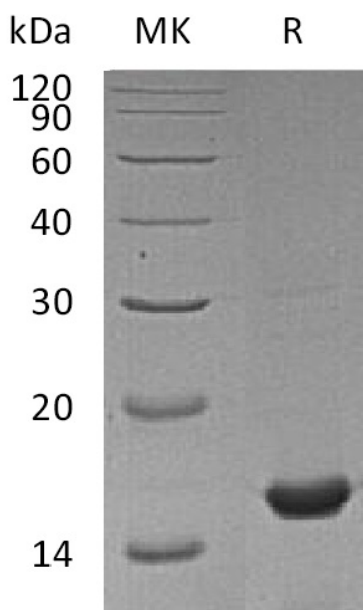
**Product Name: Recombinant Mouse CYPA**  
**Catalog #: PEM1303**



## Summary

<b>Name</b>	Peptidyl-prolyl Cis-trans Isomerase A/Cyclophilin A/CYPA
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	P17742
<b>Host</b>	E.coli
<b>Species</b>	Mouse
<b>Predicted Molecular Mass</b>	18 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of PBS, 10% Glycerol, pH 7.4.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image



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### **Alternative Names**

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

### **Background**

Peptidyl-prolyl cis-trans isomerase A 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 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.

### **Note**

For Research Use Only , Not for Diagnostic Use.