

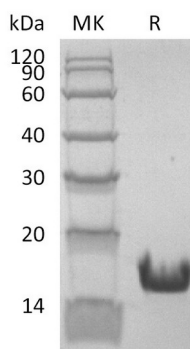
**Product Name: Recombinant Human Cyclophilin A (C-6His)**  
**Catalog #: PEH2420**



## Summary

<b>Name</b>	Cyclophilin A/PPIA/Peptidyl-prolyl cis-trans isomerase A
<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 Human Peptidyl-prolyl cis-trans isomerase A is produced by our E.coli expression system and the target gene encoding Val2-Glu165 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	P62937
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	18.8 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of PBS, 10% Glycerol, 1mM DTT, 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>	0.00.0

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Peptidyl-prolyl cis-trans isomerase A; PPIA; PPIase A; Cyclosporin A-binding protein; Rotamase A; Cyclophilin A; Cyclosporin A-binding protein; CYPA
<b>Background</b>	Cyclophilin A, also known as peptidylprolyl isomerase A (PPIA), is an 18 kDa protein

**Product Name: Recombinant Human Cyclophilin A (C-6His)**  
**Catalog #: PEH2420**



---

that catalyzes cis-trans isomerization at proline imidic peptide bonds, thereby promoting protein folding/trafficking and regulating protein activity. Cyclophilin A has multiple known functions in inflammation. Intracellularly, cyclophilin A interacts with interleukin (IL)-2 inducible T cell kinase (ITK) to tune T cell receptor signaling. Extracellularly, cyclophilin A is known to function as a leukocyte chemotactic factor. Cells secrete cyclophilin A by a vesicular secretory pathway in response to lipopolysaccharide and oxidative stress, or cyclophilin A may be released during cell death. Cyclophilin A influences inflammatory responses through its actions on immune activation and/or leukocyte trafficking.

### **Note**

For Research Use Only , Not for Diagnostic Use.