

## 32-8865: Recombinant Human Peptidyl-prolyl Cis-trans Isomerase A/Cyclophilin A/CYPA

**Gene :** PPIA  
**Gene ID :** 5478  
**Uniprot ID :** P62937

### Description

Source: E.coli.  
MW :18kD.

Recombinant Human Peptidyl-prolyl Cis-trans Isomerase A is produced by our E.coli expression system and the target gene encoding Met1-Glu165 is expressed. Peptidyl-prolyl cis-trans isomerase A is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family, which catalyzes the cis-trans isomerization of proline imidic peptide bonds. Cyclophilin A regulate many biological processes, including intracellular signaling, transcription, inflammation, and apoptosis. Cyclophilin is also incorporated into many viruses, including HIV1, where it has been speculated to be involved in functions such as viral assembly and infectivity. The immunosuppressive activity of cyclosporins has been correlated with their ability to form complexes with cyclophilins that inhibit calcineurin phosphatase activity and prevent incorporation of cyclophilin into viral particles. The cyclosporin/cyclophilin complex selectively binds and inactivates calcineurin, making it a useful inhibitor for studying calcineurin activity.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of PBS, 10%glycerol, pH7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MVNPTVFFDIAVDGEPLGRVSFELFADKVPKTAENFRALSTGEKGFYKGSFHRIPGFMCGGDFTRHNGTG  
GKSIYGEKFEDENFILKHTGPGILSMANAGPNTNGSQFFICTAKTEWLDGKHVVFGKVKEGMNIVEAMERFGSR  
NGKTSKKITIADCGQLE

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.