

## Product datasheet for **TP727585**

### Cyclophilin A (PPIA) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Peptidyl-prolyl Cis-trans Isomerase A/Cyclophilin A/CYPA
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Glu165
Buffer:	Supplied as a 0.2 um filtered solution of PBS, 10% Glycerol, pH 7.4 .
Note:	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.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	5478
UniProt ID:	<a href="#">P62937</a>
Summary:	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.



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