

## 32-6719: Cyclophilin A E.Coli

**Alternative Name :** Peptidyl-prolyl cis-trans isomerase A, PPlase A, Cyclophilin A, Cyclosporin A-binding protein, Rotamase A, Peptidyl-prolyl cis-trans isomerase A, N-terminally processed, Ppia, CypA, rot, rotA.

### Description

Source: E.coli.

Sterile Filtered colorless solution.

PPlases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. Cyclophilin-A is a cyclosporin binding-protein and may play a role in cyclosporin A-mediated immunosuppression. Cyclophilin-A can also 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. Multiple pseudogenes that map to different chromosomes have been reported.

Cyclophilin A E.Coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 189 amino acids (25-190a.a.) and having a molecular mass of 20.5kDa. Cyclophilin A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 95% as determined by SDS-PAGE.

**Content :** Cyclophilin A protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSAGDPHV LLTTSAGNIE LELDKQKAPV SVQNFVDYVN  
SGFYNNITTFH RVIPGFMIQG GGFTEQMQQK KPNPPIKNEA DNGLRNTRGT IAMARTADKD SATSQFFINV  
ADNAFLDHGQ RDFGYAVFGK VVKGMDVADK ISQVPTHVGV PYQNVPSKPV VILSAKVLP.