

## Cyclophilin-A Rat Recombinant

<b>Item Number</b>	rAP-0949
<b>Synonyms</b>	Peptidyl-prolyl cis-trans isomerase A, EC:5.2.1.8, PPIase A, Cyclophilin A, Cyclosporin A-binding protein, Rotamase A, p1B15, p31, Ppia.
<b>Description</b>	Cyclophilin-A Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Val2-Leu164) containing 173 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 19kDa.
<b>Uniprot Accesion Number</b>	P10111
<b>Amino Acid Sequence</b>	MKHHHHHHHASVNPTVFFDIT ADGEPLGRVC FELFADKVPK TAENFRALST GEKGFGYKGS SFHRIIPGM CQGGDFTRHN GTGGKSIYGE KFEDENFILK HTGPGILSMA NAGPNTNGSQ FFICTAK- TEW LDGKHVVFGK VKEGMSIVEA MERFGSRNGK TSKKITISDC GQL.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
<b>Formulation and Purity</b>	Cyclophilin-A was filtered (0.4µm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline and 5%(w/v) trehalose. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Cyclophilin-A is not sterile! Please filter the product by an appropriate sterile filter before use.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**