

Cyclophilin-A Rat Recombinant

Item Number	rAP-0949
Synonyms	Peptidyl-prolyl cis-trans isomerase A, EC:5.2.1.8, PPIase A, Cyclophilin A, Cyclosporin A-binding protein, Rotamase A, p1B15, p31, Ppia.
Description	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.
Uniprot Accession Number	P10111
Amino Acid Sequence	MKHHHHHHASVNPTVFFDIT ADGEPLGRVC FELFADKVPK TAENFRALST GEKGFGYKGS SFHRIIPGFM CQGGDFTRHN GTGGKSIYGE KFEDENFILK HTGPGILSMA NAGPNTNGSQ FFICTAK- TEW LDGKHVVF GK VKEGMSIVEA MERFGSRNGK TSKKITISDC GQL.
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	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.
Application	
Solubility	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.
Biological Activity	
Shipping Format and Condition	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 ender users! This product is sold for **Research Use Only**