

## Cyclophilin-A Human Recombinant

<b>Item Number</b>	rAP-0935
<b>Synonyms</b>	Peptidylprolyl isomerase A, CYPA, CYPH, MGC12404, MGC23397, MGC117158, PPIase A, Rotamase A, PPIA, Peptidyl-prolyl cis-trans isomerase A, EC 5.2.1.8, Cyclophilin A, Cyclosporin A-binding protein.
<b>Description</b>	Cyclophilin-A Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 185 amino acids (1-165 a.a.) and having a molecular mass of 20 kDa. PPIase-A is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P62937
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MVNPTVFFDI AVDGEPLGRV SFELFADKVP KTAENFRALSTGEKGFGYKG SCFHRIIPGF MCQGGDFTRH NGTGGKSIYG EKFEDENFIL KHTGPGILS- MANAGPNTNGS QFFICTAKTE WLDGKHVVFG KVKEGMNIVE AMERFGSRNG KTSKKITIADCGQLE.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile filtered colorless solution. 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.
<b>Formulation and Purity</b>	1 mg/ml solution containing 20mM Tris-HCl 8.0, 20mM NaCl, 0.5mM DTT and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	Specific activity is > 270 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-HCl pH8.0 using chymotrypsin.
<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**