

## Cyclophilin-D Human Recombinant

<b>Item Number</b>	rAP-0950
<b>Synonyms</b>	Peptidylprolyl isomerase D, PPID, CYPD, CYP-40, 40 kDa peptidyl-prolyl cis-trans isomerase, PPIase, Rotamase, Cyclophilin-40, CYP40, Cyclophilin-related protein, MGC33096, EC 5.2.1.8.
<b>Description</b>	Cyclophilin-D Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 178 amino acids and having a molecular mass of 18.9kDa. The Cyclophilin-D is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	Q08752
<b>Amino Acid Sequence</b>	CSKGSGDPSS SSSSGNPLVY LDVDANGKPL GRVVLELKAD VVPKTAENFR ALCTGEKGFG YKGSTFHRVI PSFMCQAGDF TNHNGTGGKS IYGSRFPDEN FTLKHVPGPV LSMANAGPNT NGSQF- FICTI KTDWLDGKHV VFGHVKEGMD VVKKIESFGS KSGRTSKKIV ITDCGQLS.
<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>	Cyclophilin-D 0.2μm filtered solution containing PBS pH7.4, 1mM DTT and 10% glycerol. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	Specific activity is > 250 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25°C 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**