

Cyclophilin-D Human Recombinant

Item Number	rAP-0950
Synonyms	Peptidylprolyl isomerase D, PPID, CYPD, CYP-40, 40 kDa peptidyl-prolyl cis-trans isomerase, PPlase, Rotamase, Cyclophilin-40, CYP40, Cyclophilin-related protein, MGC33096, EC 5.2.1.8.
Description	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.
Uniprot Accession Number	Q08752
Amino Acid Sequence	CSKGSGDPSS SSSSGNPLVY LDVDANGKPL GRVVLELKAD VVPKTAENFR ALCTGEKGFG YKGSTFHRVI PSFMCQAGDF TNHNGTGGKS IYGSRFPDEN FTLKHVGPV LSMANAGPNT NGSQF- FICTI KTDWLDGKHV VFGHVKEGMD VVKIESFGS KSGRTSKKIV ITDCGQLS.
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	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.
Application	
Solubility	
Biological Activity	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.
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**