

# Recombinant Human Cyclophilin D

Catalog No: #AP60487

Package Size: #AP60487-1 10ug #AP60487-2 500ug

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## Description

Product Name	Recombinant Human Cyclophilin D
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Other Names	PPIF, Cyclophilin F, CyP-M, Rotamase F
Calculated MW	Approximately 18.9 kDa, a single non-glycosylated polypeptide chain containing 178 amino acids.
Target Sequence	CSKGSGDPSS SSSSGNPLVY LDVDANGKPL GRVVLELKAD VVPKTAENFR ALCTGEKGFG YKGSTFHRVI PSFMCQAGDF TNHNGTGGKS IYGSRFPDEN FTLKHVGPV LSMANAGPNT NGSQFFICTI KTDWLDGKHV VFGHVKEGMD VVKKIESFGS KSGRTSKKIV ITDCGQLS
Formulation	Supplied as a 0.2 µm filtered solution in PBS, pH7.4, with 1 mM DTT, 10 % glycerol.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. -□ A minimum of 12 months from date of receipt, when stored at &le;-20 °C as supplied. -□ 1 month, 2 to 8 °C under sterile conditions after reconstitution. -□ 3 months, -20 to -70 °C under sterile conditions after reconstitution.

## Background

CyP-D is a part of the peptidyl-prolyl cis-trans isomerase (PPIase) family. CyP-D accelerates the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. CyP-D is key component of the mitochondrial permeability transition pore in the inner mitochondrial membrane. Activation of this pore is thought to be involved in the induction of apoptotic and necrotic cell death.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.