

Recombinant Human Cyclophilin D

Catalog No: #AP60487



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

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

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 |
| Uniprot | P30405 |
| GeneID | 10105 |
| Calculated MW | Approximately 18.9 kDa, a single non-glycosylated polypeptide chain containing 178 amino acids. |
| Target Sequence | CSKGSGDPSS SSSSGNPLVY LDVDANGKPL GRVVLELKAD VVPKTAENFR ALCTGEKGFY 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.- 6 months from date of receipt, -20 to -70 °C as supplied.- 3 months, -20 to -70 °C under sterile conditions after opening. |

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