

Human Cyclophilin D Recombinant Protein



RPPB1540

Product Information Protein Information

Product SKU:

RPPB1540

Accession:

Q08752

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile filtered colorless solution.

Synonyms:

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.

Formulation:

Cyclophilin-D 0.2µm filtered solution containing PBS pH7.4, 1mM DTT and 10% glycerol.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Stability:

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.

Amino Acid Sequence:

CSKGSGBPSS SSSSGNPLVY LDVDANGKPL GRVLELKAD VVPKTAENFR ALCTGEKGFG YKGSTFHRVI
PSFMCQAGDF TNHNGTGGKS IYGSRFPDEN FTLKHVGPV LSMANAGPNT NGSQFFICTI KTDWLDGKHV
VFGHVKEGMD VVKKIESFGS KSGRTSKKIV ITDCGQLS.

Biological Activity:

Specific activity is > 250 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1µmole of suc-AAFP-pNA per minute at 25°C in Tris-HCl pH8.0 using chymotrypsin.