

Human Cyclophilin D Recombinant Protein



RPPB1539

Product Information Protein Information

Product SKU:

RPPB1539

Accession:

Q08752

Host:

Escherichia Coli.

Protein description:

Cyclophilin-D Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (amino acids 1-370) containing 390 amino acids and having a molecular mass of 42.9kDa. Cyclophilin-D is fused to a 20 aa His Tag at N-terminus and 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:

1mg/ml solution containing 1x PBS pH-7.4 & 10% glycerol.

Purity:

Greater than 95.0% as determined 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:

MGSSHHHHHH SGLVPRGSH MSHPSQAKP SNPSNPRVFFDVIDGGERVG RIVLELFADI VPKTAENFRA
LCTGEKGIGH TTGKPLHFKG CPFHRIKKF MIQGGDFSQK NGTGGESIYG EKFEDEFHY
KHDREGLLSMANAGRNTNGS QFFITTVPTP HLDGKHVVFG QVIKIGIVAR ILENVEVKGEKPAKLCVIAE
CGELKEGDDG GIFPKDGSGD SHPDFPEDAD IDLKDVDKIL LITEDLKNIG NTFKSNWE MAIKKYAEVL
RYVDSSKAVI ETADRAKLPQIALSCVLNIG ACKLKMSNWQ GAIDSCLEAL ELDPSNTKAL
YRRAQGWQGLKEYDQALADL KKAQGIAPED KAIQAELLKV KQKIKAQKDK EKAVYAKMFA.

Biological Activity:

Specific activity is > 700 nmol/min/mg, and is defined as the amount of enzyme that cleaves 1nmole of suc-AAFP-pNA per minute at 25C in Tris-HCl pH8.0 using chymotrypsin.