

Human Cyclophilin A Recombinant Protein



RPPB1531

Product Information Protein Information

Product SKU:

RPPB1531

Accession:

P62937

Host:

Escherichia Coli.

Protein description:

Cyclophilin-A Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 185 amino acids (1-165 a.a.) and having a molecular mass of 20 kDa. PPIase-A is purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Peptidylprolyl isomerase A, CYPA, CYPH, MGC12404, MGC23397, MGC117158, PPIase A, Rotamase A, PPIA, Peptidyl-prolyl cis-trans isomerase A, EC 5.2.1.8, Cyclophilin A, Cyclosporin A-binding protein.

Formulation:

1 mg/ml solution containing 20mM Tris-HCl 8.0, 20mM NaCl, 0.5mM DTT and 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 SSSLVPRGSH MVNPTVFFDI AVDGEPLGRV SFELFADKVP KTAENFRALSTGEKGFYKG
SCFHRIIPGF MCQGGDFTRH NGTGGKSIYG EKFEDEFIL KHTGPGILSMANAGPNTNGS QFFICTAKTE
WLDGKHVVFG KVKEGMNIVE AMERFGSRNG KTSKKITIADCGQLE.

Biological Activity:

Specific activity is > 650 nmol/min/mg, and is defined as the amount of enzyme that cleaves 1nmole of suc-AAFP-PNA per minute at 37°C in Tris-HCl pH8.0 using chymotrypsin.