



Product Datasheet

Product Name	Cyclophilin-A Human Recombinant
Cata No	CB501368
Source	<i>Escherichia Coli.</i>
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.

Description

PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. Cyclophilin-A is a cyclosporin binding-protein and may play a role in cyclosporin A-mediated immunosuppression. Cyclophilin-A can also interact with several HIV proteins, including p55 gag, Vpr, and capsid protein, and has been shown to be necessary for the formation of infectious HIV virions. Multiple pseudogenes that map to different chromosomes have been reported.

Cyclophilin-A Human Recombinant His tag protein produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 185 amino acids and having a molecular mass of 20 kDa.

PPIase-A is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

1 mg/ml solution containing 20mM Tris 8.0, 20mM NaCl, 0.5mM DTT and 10% glycerol.

Stability

PPIase-A Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C.

Please prevent freeze thaw cycles.

Sequence

MGSSHHHHHH SSGLVPRGSH MVNPTVFFDI
AVDGEPLGRV SFELFADKVP
KTAENFRALSTGEKGFYKG SCFHRIIPGF
MCQGGDFTRH NGTGGKSIYG EKFEDEFIL
KHTGPGILSMANAGPNTNGS QFFICTAKTE
WLDGKHVVFG KVKEGMNIVE AMERFGSRNG
KTSKKITIADCGQLE.