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32-2241: Cyclophilin A Recombinant Protein

Alternative Name :	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

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	1 mg/ml solution containing 20mM Tris-HCl 8.0, 20mM NaCl, 0.5mM DTT and 10% glycerol.
Storage condition :	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 :	MGSSHHHHHH SSGLVPRGSH MVNPTVFFDI AVDGEPLGRV SFELFADKVP KTAENFRALSTGEKGFGYKG SCFHRIIPGF MCQGGDFTRH NGTGGKSIYG EKFEDENFIL KHTGPGILSMANAGPNTNGS QFFICTAKTE WLDGKHVVFG KVKEGMNIVE AMERFGSRNG KTSKKITIADCGQLE.

Application Note

Specific activity is > 270 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.