
Product Data Sheet

Product Name: Cyclophilin A E.Coli
 Cat. No.: GP21521
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Peptidyl-prolyl cis-trans isomerase A; PPIase A; Cyclophilin A; Cyclosporin A-binding protein; Rotamase A; Peptidyl-prolyl cis-trans isomerase A; N-terminally processed; Ppia; CypA; rot; rotA.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGS AKGDPHV LLTTSAGNIE LELDKQKAPV SVQNFVDYVN SGFYNTTFH RVIPGFMIQG GGFTEQMQQK KPNPPIKNEA DNGLRNTRGT IAMARTADKD SATSQFFINV ADNAFLDHGQ RDFGYAVFGK VVKGMDVADK ISQVPTHDVG PYQNVPSKPV VILSAKVLP.		
Formulation	Cyclophilin A protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

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.

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.

Background

Cyclophilin A E.Coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 189 amino acids (25-190a.a.) and having a molecular mass

Caution: Product has not been fully validated for medical applications. For research use only.

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of 20.5kDa. Cyclophilin A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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