
Product Data Sheet

Product Name: Cyclophilin B Human, His
 Cat. No.: GP21523
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Peptidylprolyl isomerase B; PPIase; Rotamase; S-cyclophilin; PPIB; cyclophilin-like protein; peptidyl-prolyl cis-trans isomerase B; Cyclophilin B; SCYLP; CYPB; CYP-S1; MGC2224; MGC14109.		
Amino Acid Sequence	MKHHHHHHAS DEKKKGPKVT VKVYFDLRIG DEDVGRVIFG LFGKTVPKTV DNFVALATGE KGFGYKNSKF HRVIKDFMIQ GGDFTRGDGT GGKSIYGERF PDENFKLKHY GPGWVSMANA GKDTNGSQFF ITTVKTAWLD GKHVVFQKVL EGMEVVRKVE STKTDSRDKP LKDVIIADCG KIEVEKPFAL AKE.		
Solubility	It is recommended to add 200µl of deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Cyclophilin-B is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	Cyclophilin-B was filtered (0.4 µm) and lyophilized in 20mM Tris buffer and 50mM NaCl, pH 7.5.		

Introduction

Cyclophilin B (also known as PPIB, peptidylpropyl isomerase B) is a cyclosporine-binding protein and is mainly located within the endoplasmic reticulum. It is associated with the secretory pathway and released in biological fluids. This protein can bind to cells derived from T- and B-lymphocytes, and may regulate cyclosporine A-mediated immunosuppression.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

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

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Background

Cyclophilin-B Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Asp34-Glu216) containing 193 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 22kDa.

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