
Product Data Sheet

Product Name: Cyclophilin B Human

Cat. No.: GP21522

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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	MLLPGPSAAD EKKKGPKVTV KVFYDLRIGD EDVGRVIFGL FGKTVPKTVD NFVALATGEKGFYKNSKFH RVIKDFMIQG GDFTRGDGTG GKSIYGERFP DENFKLKHYG PGWVSMANAGKDTNGSQFFI TTVKTAWLDG KHVVFQKVLK GMEVVRKVES TKTDSRDKPL KDVIIADCGK IEVEKPFQIA KE.		
Formulation	1 mg/ml solution containing 20mM Tris-HCl 8.0, 20mM NaCl, 0.5mM DTT and 10% glycerol.		

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.

Biological Activity

Specific activity is > 220 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.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Cyclophilin-B Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 192 amino acids (26-216) and having a molecular mass of 21.2 kDa. PPIB is purified by proprietary chromatographic techniques.

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