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**Product Data Sheet**


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Product Name: Cyclophilin B Mouse  
 Cat. No.: GP21524  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Peptidyl-prolyl cis-trans isomerase B; PPIase B; CYP-S1; Cyclophilin B; Rotamase B; S-cyclophilin; SCYLP.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNDKKKG PKVTVKVYFD LQIGDESVGR VVFGFLFGKTV PKTVDNFVAL ATGEKGFGYK NSKFHRVIKD FMIQGGDFTR GDGTGGKSIY GERFPDENFK LKHYPGWVS MANAGKDTNG SQFFITTVKT SWLDGKHVVV GKVLEGMDVV RKVESTKTDSRDKPLKDVII VDSGKIEVEK PFAIAKE.		
Formulation	Cyclophilin B protein solution (1mg/ml) containing Phosphate Buffered Saline (pH7.4) 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 > 1,000 nmol/min/mg, and is defined as the amount of enzyme that cleaves 1nmole of suc-AAFP-PNA per minute at 37C in Tris-HCl pH 8.0 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 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 207 amino acids (34-216 a.a) and having a molecular mass of 22.7kDa. Cyclophilin B is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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