

# Recombinant mouse Cyclophilin B/Ppib protein

Catalog Number: IBATGP3599



## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

34-216aa

### UniProt No.

P24369

### NCBI Accession No.

NP\_035279

### Alternative Names

Peptidyl-prolyl cis-trans isomerase B, AA408962, AA553318, A1844835, Cphn-2, Cphn2, CyP-20b

## PRODUCT SPECIFICATION

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### Molecular Weight

22.7 kDa (207aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Biological Activity

Specific activity is > 1,000nmol/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.

### Tag

His-Tag

### Application

SDS-PAGE, Enzyme Activity

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**

*Manufactured for:*

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## Description

Ppib, also known as peptidyl-prolyl cis-trans 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. Recombinant mouse Ppib, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGSM>NDKKKG PKVTVKVFYFD LQIGDESVGR VVFGFLFGKTV PKTVDNFVAL  
ATGEKGFYK NSKFHRVIKD FMIQGGDFTR GDGTGGKSIY GERFPDENFK LKHYGPGWVS MANAGKDTNG SQFFITTVKT  
SWLDGKHVVV GKVLEGMDDV RVESTKTDS RDKPLKDVII VDSGKIEVEK PFAIAKE

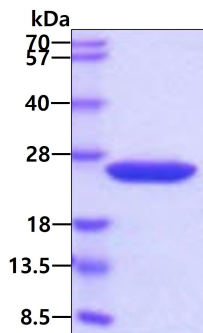
## General References

Obata Y, et al. (2005) J Biol Chem. 280(18):18355-60  
Denys A , et al. (1997) Immunology. 91(4):609-17.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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