

# Recombinant human Calcineurin B2/PPP3R2 protein

Catalog Number: ATGP0989

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-173aa

### UniProt No.

Q96LZ3

### NCBI Accession No.

NP\_671709.1

### Alternative Names

Protein phosphatase 3 regulatory subunit B beta, Protein phosphatase 2B regulatory subunit 2, Calcineurin subunit B type 2 19kDa, Calcineurin B-like protein, CBLP, Calcineurin BII, CNBII, PPP3R1-like, PPP3RL

## PRODUCT SPECIFICATION

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### Molecular Weight

22 kDa (193aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### 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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### Description

PPP3R2 is a calcium-dependent, calmodulin stimulated serine/threonine protein phosphatase. In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions including division, homeostasis and apoptosis. In general, the protein phosphatase (PP) holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. Recombinant human PPP3R2 protein, fused to His-tag at N-terminus, was expressed in E.

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coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

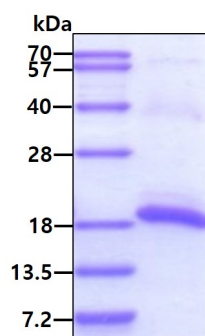
<MGSSHHHHHH SSGLVPRGSH> MSTMGNEASY PAEMCSHFDN DEIKRLGRRF KKLDLDKSGS LSVVEEFMSLP  
ELRHNPLVRR VIDVFDTGD GEVDFKEFIL GTSQFSVKGD EEQKLRFAFS IYDMDKDGVI SNGELFQVLK MMVGNLTDW  
QLQLVDKTI IILDKDGDKG ISFEFSAVV RDLEIHKKLV LIV

## General References

ueki K., et al. (1992) Biochem Biophys Res Commun. 187(1):537-43.  
Liu L., et al. (2005) Mol Biol Rep. 32(1):41-5.

## DATA

### SDS-PAGE



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