

## Recombinant Human Protein Phosphatase 3, Regulatory Subunit B, His-tagged

Cat. No. PPP3R2-973H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human PPP3R2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.coli and purified by using conventional chromatography techniques.
<b>Formulation</b>	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT.
<b>Molecular Weight</b>	22 kDa (193aa), confirmed by MALDI-TOF
<b>Purity</b>	> 95% by SDS – PAGE
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay)

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**Sequences of amino acids**

MGSSHHHHHH SSGLVPRGSHMSTMGNEASY PAEMCSHFDN DEIKRLGRRF  
 KKLDLDKSGS LSVEEFMSLP ELRHNPLVRR VIDVFDTGDG GEVDFKEFIL  
 GTSQFSVKGD EEQKLRFAFSIYDMDKGYI SNGELFQVLK MMVGNLTDW  
 QLQQLVDKTI IILDKDGDKG ISFEEFSAVV RDLEIHKKLV LIV

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [PPP3R2 protein phosphatase 3, regulatory subunit B, beta \[ Homo sapiens \]](#)

**Synonyms**

PPP3R2;PPP3RL; protein phosphatase 3, regulatory subunit B, beta; Calcineurin subunit B type 2; Calcineurin B-like protein; Calcineurin BII; Protein phosphatase 2B regulatory subunit 2; Protein phosphatase 3 regulatory subunit B beta isoform; CBLP; protein phosphatase 3 (formerly 2B), regulatory subunit B (19kD), beta isoform (calcineurin B, type II); protein phosphatase 3 (formerly 2B), regulatory subunit B, beta isoform

**Gene ID** [5535](#)

**mRNA Refseq** [NM\\_147180](#)

**Protein Refseq** [NP\\_671709](#)

**UniProt ID** [Q96LZ3](#)

**Chromosome Location** 9q31

**Function** calcium ion binding

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