

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

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

SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids	MGSSHHHHHH SSGLVPRGSHMSTMGNEASY PAEMCSHFDN DEIKRLGRRF KKLDLDKSGS LSVEEFMSLP ELRHNPLVRR VIDVFDTGDG GEVDFKEFIL GTSQFSVKGD EEQKLRFASIDMDKGYI SNGELFQVLK MMVGNNLTDW QLQQLVDKTI IILDKDGDKG ISFEEFSAVV RDLEIHKKLIV
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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.
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GENE INFORMATION

Gene Name	PPP3R2 protein phosphatase 3, regulatory subunit B, beta [Homo sapiens]
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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
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Gene ID	5535
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mRNA Refseq	NM_147180
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Protein Refseq	NP_671709
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UniProt ID	Q96LZ3
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Chromosome Location	9q31
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Function	calcium ion binding
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