Product information

PPP3R2, 1-173 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0989

Full name: Protein phosphatase 3, regulatory subunit B type 2. **NCBI Accession No.:** NP_671709

Synonyms: PPP3RL.

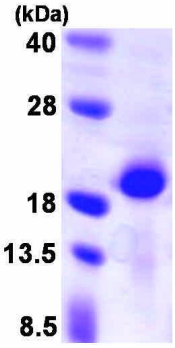
Description: PPP3R2 is a calcium-dependent, calmodulin stimulated serine/threonine protein phosphatase. In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions including division, homeostasis 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.

Form: 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)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MSTMGNEASY PAEMCSHFDN DEIKRLGRRF KKLDLDKSGS LSVEEFMSLP ELRHNPLVRR VIDVFDTDGD GEVDFKEFIL GTSQFSVKGD EEQKLRFAFS IYDMDKDGYI SNGELFQVLK MMVGNNLTDW QLQQLVDKTI IILDKDGDGK ISFEEFSAVV 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.

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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