

PPP3R2, 1-173aa, Human, His tag, E.coli

Cat.NO.: TP03510

3th Edition

Synonyms:Protein phosphatase 3, regulatory subunit B type 2, 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.

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

Molecular Weight:22 kDa (193aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMSTMGNEASYPAEMCSHFDNDEIKRLGRRFKKLDLKD KSGSLSV EEFMSLP ELRH
NPLVRRVIDVFDTDGDGEVDFKEFILGTSQFSVKGDEEQKLRFAFSIYDMDKDG YISNGELFQVLKMMVGNLTDW
QLQQLVDKTIILDKDGDGKISFE EFSAVVRDLEIHKKLVLIV

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.