

**PPP2R1A, 1-589aa, Human, His tag, E.coli**

**Cat.NO.: TP03507**

3th Edition

**Synonyms:**PP2A-Aalpha, PP2AAALPHA, PR65A

**Description:**PPP2R1A also known as Serine/Threonine-Protein Phosphatase 2A 65 kDa regulatory subunit A alpha isoform, is a member of the PPP family of phosphatases, regulates a variety of essential cellular processes. PPP2R1A phosphorylation is an in vivo mechanism for regulation of the PP2A signaling complex and increased PP2A activity in heart failure. Recombinant human PPP2R1A, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol

**Molecular Weight:**67.7kDa (612aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMMAADGDDSLYPIAVLIDELRNEDVQLRLNSIKKLSTIALALGVERTRSELLPF  
LTDTIYDEDEVLLALAEQLGTFITLVGGPEYVHCLLPPLSLATVEETVVRDKAVESLRAISHEHSPSDLEAHFVPLV  
KRLAGGDWFTSRTSACGLFSVCYPRVSSAVKAELRQYFRNLCSDDTPMVRRAAASKLGEFAKVELEDNVKSEIIPM  
FSNLASDEQDSVRLLAVEACVNIAQLLPQEDLEALVMPTLRQAAEDKSWRVRYMVADKFTTELQKAVGPEITKTDLV  
PAFQNLMKDCEAEVRAAASHKVKEFCENLSADCRENVIMSQILPCIKELVSDANQHVKSALASVIMGLSPILGKDNTI  
EHLLPLFLAQLKDECPEVRLNIISNLDCVNEVIGIRQLSQSLLPAIVELAEDAKWRVRLAIIEYMPLLAGQLGVEFFDEK  
LNSLCMAWLVDHVYAIREAATSNLKKLVEKFGKEWAHATIIPKVLAMSGDPNYLHRMTTLFCINVLSEVCGQDITTKH  
MLPTVLRMAGDPVANVRFNVAKSLQKIGPILDNSTLQSEVKPILEKLTQDQDQDVVKYFAQEALTVLSLA

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Absorbance at 280nm)

**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.