

**PPP1R2, 1-166aa, Human, His tag, E.coli**

**Cat.NO.: TP03503**

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3th Edition

**Synonyms:**Protein phosphatase inhibitor 2, Protein phosphatase 1, regulatory (inhibitor) subunit 2, IPP-2; IPP2

**Description:**PPP1R2 is an inhibitor of protein-phosphatase 1 and forms heterodimer with PP1. Phosphorylation on Thr-73 by GSK3 activates PP1 by dissociating the PP1-PPP1R2 complex. Phosphorylation on Ser-44 by ATM activates PP1 by dissociating the PP1-PPP1R2 complex. Recombinant human PPP1R2 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(pH8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT

**Molecular Weight:**21kDa (189aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMMAASTASHRPIKGILKNKTSTTSSMVASAEQPRGNVDEELSKKSQKWDEMNI  
LATYHPADKDYGLMKIDEPSTPYHSMMGDDEDACSDTEATEAMAPDILARKLAAAEGLEPKYRIQEQESSGEEDS  
DLSPEEREKKRQFEMKRKLHYNEGLNIKLARQLISKDLH

**Purity:**> 95% by HPLC

**Concentration:**0.25 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.