

**Recombinant Human Protein Phosphatase 1 Regulatory Subunit 1A/PPP1R1A Protein(C-6His)**

**Cat.NO.: TP05454**

3th Edition

**Synonyms:**Protein Phosphatase 1 Regulatory Subunit 1A; Protein Phosphatase Inhibitor 1; I-1; IPP-1; PPP1R1A; IPP1

**Description:**Protein Phosphatase 1 Regulatory Subunit 1A (PPP1R1A) is an inhibitor of protein-phosphatase 1. PPP1R1A is a cellular regulator of eIF2 alpha phosphorylation. In hormonal control of glycogen metabolism, IPP-1 protein plays important function. Hormones can elevate intracellular cAMP level and elevate IPP-1 activity. PPP1R1A activation caused cAMP increase , cAMP control over proteins that are not directly phosphorylated by PKA following a rise in intracellular calcium. IPP-1 is inactivated by calcineurin (PP2B). Multiple domains in IPP-1 target cellular PP1 complexes.

**Form:**PBS

**Molecular Weight:**20.0 kDa

**Sequences:**Met 1-Val171

**Purity:**> 95% by HPLC

**Concentration:**

**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.