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## Datasheet for ABIN7318960 PPP1R1A Protein (His tag)

### Overview

Quantity:	50 µg
Target:	PPP1R1A
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP1R1A protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human PPP1R1A Protein (His Tag)
Sequence:	Met 1-Val171
Characteristics:	Recombinant Human Protein Phosphatase 1 Regulatory Subunit 1A is produced by our E.coli expression system and the target gene encoding Met1-Val171 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	PPP1R1A
Alternative Name:	PPP1R1A ( <a href="#">PPP1R1A Products</a> )
Background:	Background: 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

## Target Details

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.

Synonym: Protein Phosphatase 1 Regulatory Subunit 1A, Protein Phosphatase Inhibitor 1, I-1, IPP-1, PPP1R1A, IPP1

Molecular Weight: 20.0 kDa

UniProt: [Q13522](#)

Pathways: [Cellular Glucan Metabolic Process](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 1 mM DTT, 50 % Glycerol, pH 8.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.