

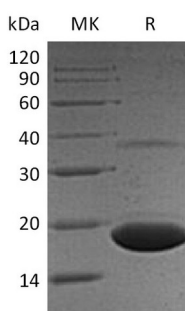
**Product Name: Recombinant Human PPP1R1A (C-6His)**  
**Catalog #: PEH1359**



## Summary

<b>Name</b>	PPP1R1A/Protein phosphatase 1 regulatory subunit 1A/IPP-1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	AAH22470.1
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	19.98 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM DTT, 50% Glycerol, pH 8.5.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Protein Phosphatase 1 Regulatory Subunit 1A; Protein Phosphatase Inhibitor 1; I-1; IPP-1; PPP1R1A; IPP1
<b>Background</b>	Protein Phosphatase 1 Regulatory Subunit 1A (PPP1R1A) is an inhibitor of protein-phosphatase 1. PPP1R1A is a cellular regulator of eIF2 alpha phosphorylation. In

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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.

**Note**

For Research Use Only , Not for Diagnostic Use.