

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

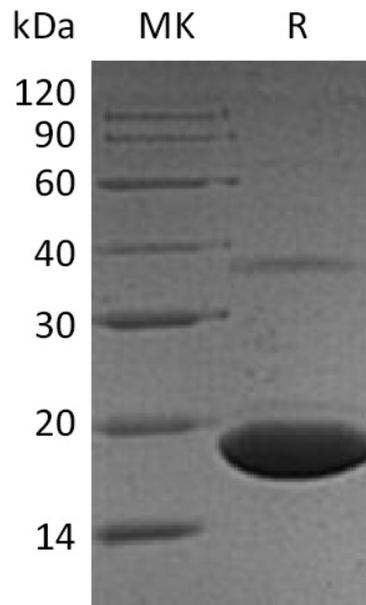


Summary

Name	PPP1R1A/Protein phosphatase 1 regulatory subunit 1A/IPP-1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	AAH22470.1
Host	E.coli
Species	Human
Predicted Molecular Mass	19.98 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM DTT, 50% Glycerol, pH 8.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	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.
Reconstitution	

SDS-PAGE image

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Alternative Names

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

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 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.