

32-7141: Recombinant Human Protein Phosphatase 1 Regulatory Subunit 1A/PPP1R1A (C-6His)

Gene : PPP1R1A

Gene ID : 5502

Uniprot ID : Q13522

Description

Source: E.coli.

MW :19.98kD.

Recombinant Human PPP1R1A 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. 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.

Product Info

Amount : 10 µg / 50 µg

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

Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Amino Acid : MEQDNSPQKIQFTVPLLEPHLDPEAAEQIRRRRPTPATLVLTSDQSSPEIDEDRIPNPHLKSTLAMSPRQRKKMT
RITPTMKELQMMVEHHLGQQQGEEPEGAAESTGTQESRPPGIPDTEVESRLGTSGTAKKTAECIPKOTHERGS
KEPSTKEPSTHIPPLDSKGANSVLEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.