www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

PPP1R1A Human

Catalog #:ENPS-373

For research use only.

Description:PPP1R1A Human Recombinant fused with His tag at C-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 179 amino acids and having a molecular mass of 20 kDa.The PPP1R1A is purified by proprietary chromatographic techniques.

Synonyms:IPP1, IPP-1, I-1, PPP1R1A, PPI-1, Protein Phosphatase Inhibitor-1, Protein phosphatase 1 regulatory subunit 1A.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MEQDNSPRKI QFTVPLLEPH LDPEAAEQIR RRRPTPATLV LTSDQSSPEI DEDRIPNPHL KSTLAMSPRQ RKKMTRITPT MKELQMMVEH HLGQQQQGEE PEGAAESTGT QESRPPGIPD TEVESRLGTS GTAKKTAECI PKTHERGSKE PSTKEPSTHI PPLDSKGANS VLEHHHHHH.

Purity: Greater than 90.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:
The PPP1R1A solution contains 50mM Tris pH-8, 0.1mM PMSF, 1mM EDTA, 1mM DTT & 10% glycerol.

Stability:
PPP1R1A althoμgh stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
PPP1R1A is an inhibitor of protein-phosphatase 1. IPP-1 protein plays important in hormonal control of glycogen metabolism. Hormones that elevate intracellular cAMP elevate IPP-1 activity. PPP1R1A activation caused cAMP to 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. PPP1R1A is a cellular regulator of eIF2 alpha phosphorylation.

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