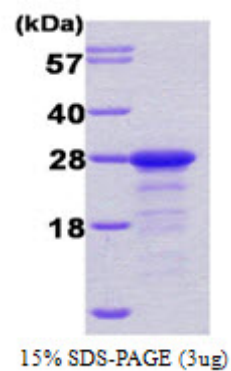


AR09053PU-N

Recombinant human PPP1R1A (aa 1-171), His-tagged

Alternate names:	IPP-1, IPP1, Protein phosphatase 1 regulatory subunit 1A, Protein phosphatase inhibitor 1
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	Protein phosphatase 1 regulatory subunit 1A (PPP1R1A, IPP-1) plays an important role in the regulation of glycogen metabolism through inhibition of type-1 protein serine/threonine phosphatase (PP1) activity, and it has been implicated in the regulation of cell growth. IPP-1 activation may impose cAMP control over proteins that are not directly phosphorylated by PKA. In the presence of calcium, PPI-1 is inactivated by calcineurin (or PP2B).
Uniprot ID:	Q13522
NCBI:	NP_006732.3
GeneID:	5502
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: ≥90 Buffer System: 50 mM Tris pH 8.0, 0.1 mM PMSF, 1 mM EDTA, 1 mM DTT, 10% glycerol
Description:	Recombinant human IPP-1, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MEQDNSPRKI QFTVPLLEPH LDPEAAEQIR RRRPTPATLV LTSDQSSPEI DEDRIPNPHL KSTLAMSPRQ RKKMTRITPT MKELQMMVEH HLGQQQQGEE PEGAAESTGT QESRPPGIPD TEVESRLGTS GTAKKTAECI PKTHERGSKE PSTKEPSTHI PPLDSKGANS VLEHHHHHHH Molecular weight: kDa (179 aa)
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Weiser DC., et al. (2004), J. Biol. Chem. Nov 19;279(47):48904-14. Rodriguez P., et al. (2006), J. Biol. Chem. Dec 15;281(50):38599-608.

Pictures:



IPP-1 (PPP1R1A): 15%SDS-PAGE (3 μ g)

