

Recombinant Human PPP1R1A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPP1R1A-3204H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPP1R1A MS Standard C13 and N15-labeled recombinant protein (NP_006732) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Inhibitor of protein-phosphatase 1. This protein may be important in hormonal control of glycogen metabolism. Hormones that elevate intracellular cAMP increase I-1 activity in many tissues. I-1 activation may impose cAMP control over proteins that are not directly phosphorylated by PKA. Following a rise in intracellular calcium, I-1 is inactivated by calcineurin (or PP2B). Does not inhibit type-2 phosphatases.
Molecular Mass	18.9 kDa
AA Sequence	MEQDNSPQKIQFTVPLLEPHLDPEAAEQIRRRRPTPATLVLTSDQSSPEIDEDRIPNP HLKSTLAMSPRQRKKMTRITPTMKELQMMVEHHLGQQQQGEEPEGAAESTGTQES RPPGIPDTEVESRLGTSGTAKKTAECIPKTHEGSGKEPSTKEPSTHIPPLDSKGANSV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PPP1R1A protein phosphatase 1 regulatory inhibitor subunit 1A [Homo sapiens (human)]
Official Symbol	PPP1R1A
Synonyms	PPP1R1A; protein phosphatase 1, regulatory (inhibitor) subunit 1A; protein phosphatase 1 regulatory subunit 1A; I-1; IPP-1; inhibitor-1; protein phosphatase inhibitor 1; protein phosphatase inhibitor-1; I1; IPP1;
Gene ID	5502
mRNA Refseq	NM_006741
Protein Refseq	NP_006732
MIM	613246
UniProt ID	Q13522

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SDS-PAGE

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