

Recombinant Human PPP2R1A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPP2R1A-5688H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPP2R1A MS Standard C13 and N15-labeled recombinant protein (NP_055040) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a constant regulatory subunit of protein phosphatase 2. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes an alpha isoform of the constant regulatory subunit A. Alternatively spliced transcript variants have been described.
Molecular Mass	65.3 kDa
AA Sequence	MAAADGDDSLYPIAVLIDELRNEDVQLRLNSIKKLSTIALALGVERTRELLPFLTDITY DEDEVLLALAEQLGTFTTLVGGPEYVHCLLPPLSLATVEETVVRDKAVESLRAISHE HSPSDLEAHFVPLVKRLAGGDWFTSRTSACGLFSVCYPRVSSAVKAELRQYFRNLC SDDTPMVRRAAASKLGEFAKVLLELDNVKSEIIPMFSNLASDEQDSVRLLAVEACVNIA

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QLLPQEDLEALVMPTLRQAAEDKSWRVRYMVADKFTELQKAVGPEITKTDLVPAFQ
 NLMKDCEAEVRAAASHKVKEFCENLSADCRENVIMSQILPCIKELVSDANQHVKSAL
 ASVIMGLSPILGKDNTIEHLLPLFLAQLKDECPEVRLNIISNLDCVNEVIGIRQLSQSLLP
 AIVELAEDAKWRVRLAII EYMPLLAGQLGVEFFDEKLSLCMAWLVDHVYAIREAATS
 NLKKLVEKFGKEWAHATIIPKVLAMSGDPNYLHRMTTLFCINVLSEVCGQDITTKHML
 PTVLRMAGDPVANVRFNVAKSLQKIGPILDNSTLQSEVKPILEKLTQDQDQDVVKYFA
 QEALTVLSLATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

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 PPP2R1A protein phosphatase 2 scaffold subunit Aalpha [Homo sapiens (human)]

Official Symbol PPP2R1A

Synonyms PPP2R1A; protein phosphatase 2, regulatory subunit A, alpha; protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform, protein phosphatase 2 (formerly 2A), regulatory subunit A, alpha isoform; serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform; PP2A Aalpha; PR65A; protein phosphatase 2; 65kDa regulatory subunit A; protein phosphatase 2A; regulatory subunit A; alpha isoform; PP2A subunit A isoform R1-alpha; PP2A subunit

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A isoform PR65-alpha; medium tumor antigen-associated 61 KDa protein; protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform; serine/threonine protein phosphatase 2A, 65 kDa regulatory subunit A, alpha isoform; PP2AAALPHA; MGC786; PP2A-Aalpha;

Gene ID [5518](#)

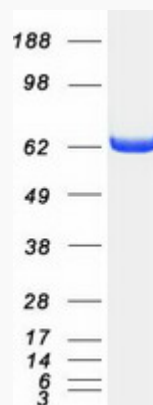
mRNA Refseq [NM_014225](#)

Protein Refseq [NP_055040](#)

MIM [605983](#)

UniProt ID [P30153](#)

SDS-PAGE



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