

Recombinant Human PPP2R1A Protein, His tagged

Cat. No. PPP2R1A-30HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PPP2R1A (1-589 aa), fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-589 aa
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.
Form	Liquid
Molecular Mass	67.7 kDa (612aa)
AA Sequence	MAAADGDDSLYPIAVLIDELRNEDVQLRLNSIKKLSTIALALGVERTRSELLPFLTDTIY DEDEVLLALAEQLGTFITLVGGPEYVHCLLPPLSLATVEETVVRDKAVESLRAISHE

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HSPSDLEAHFVPLVKRLAGGDWFTSRTSACGLFSVCYPRVSSAVKAELRQYFRNLC
 SDDTPMVRRAAASKLGEFAKVELDNVKSEIIPMFSNLASDEQDSVRLlaveacvnIA
 QLLPQEDLEALVMPTLRQAAEDKSWRVRYMVADKFTELQKAVGPEITKTDLVPAFQ
 NLMKDCEAEVRAAASHKVKEFCENLSADCRENVIMSQILPCIKELVSDANQHVKSA
 ASVIMGLSPILGKDNIEHLLPLFLAQLKDECPEVRLNIISNLDCVNEVIGIRQLSQSLLP
 AIVELAEDAKWRVRLAIEYMPLLAGQLGVEFFDEKLNSLCMAWLVDHVYAIREAATS
 NLKKLVEKFGKEWAHATIIPKVLAMSGDPNYLHRMTTLFCINVLSEVCGQDITTKHML
 PTVLRMAGDPVANVRFNVAKSLQKIGPILDNSTLQSEVKPILEKLTQDQDQDVVKYFA
 QEALTVLSLA

Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Concentration	1 mg/mL (determined by absorbance at 280nm)
Reference	1. Yang R., et al. (2013) PLoS One. 8(10):e77285. 2. Li H H., et al. (2007) EMBO J. 26(2): 902-914.

GENE INFORMATION

Gene Name PPP2R1A protein phosphatase 2, regulatory subunit A, alpha [Homo sapiens (human)]

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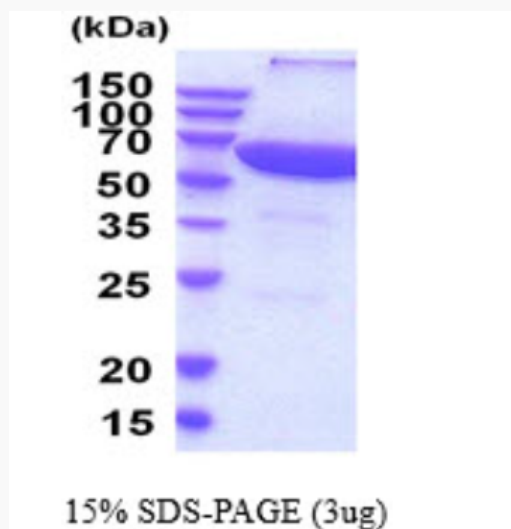
Official Symbol	PPP2R1A
Synonyms	PPP2R1A; protein phosphatase 2, regulatory subunit A, alpha; protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform , protein phosphatase 2 (formerly 2A), regulatory subunit A, alpha isoform; serine/threonine-protein phosphatase 2A 65 kDa regulatory 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 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

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SDS-PAGE and WB



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