Recombinant Human PPP2R1A, His-tagged

Cat. No. PPP2R1A-27571TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 280-583 of Human PPP2R1A with N terminal His tag, 304 amino acids, 35kDa.
Species	Human
Source	E.coli
ProteinLength	280-583 a.a.
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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 96 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KTDLVPAFQNLMKDCEAEVRAAASHKVKEFCENLSADCRE NVIMSQILPCIKELVSD ANQHVKSALASVIMGLSPILG KDNTIEHLLPLFLAQLKDECPEVRLNIISNLDCVNEVI GIRQLSQSLLPAIVELAEDAKWRVRLAIIEYMPLLAGQ LGVEFFDEKLNSLCMAWLV DHVYAIREAATSNLKKLVEKF GKEWAHATIIPKVLAMSGDPNYLHRMTTLFCINVLSE V CGQDITTKHMLPTVLRMAGDPVANVRFNVAKSLQKIGP ILDNSTLQSEVKPILEKL TQDQDVDVKYFAQEAL

GENE INFORMATION

Gene Name	PPP2R1A protein phosphatase 2, regulatory subunit A, alpha [Homo sapiens]
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
Gene ID	5518
mRNA Refseq	NM_014225
Protein Refseq	NP_055040
MIM	605983
Uniprot ID	P30153
Chromosome	19q13

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Location	
Pathway	Activated TLR4 signalling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Beta-catenin phosphorylation cascade, organism-specific biosystem; CTLA4 inhibitory signaling, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem;
Function	antigen binding; protein binding; protein heterodimerization activity; protein phosphatase type 2A regulator activity; protein serine/threonine phosphatase activity;

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