

Recombinant Human PPP2R1B

Cat. No. PPP2R1B-27569TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PPP2R1B with N-terminal proprietary tag. Predicted MW 92.18kDa.
Species	Human
Source	Wheat Germ
ProteinLength	601 amino acids
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 a beta isoform of the constant regulatory subunit A. Mutations in this gene have been associated with some lung and colon cancers. Alternatively spliced transcript variants have been described.
Molecular Weight	92.180kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAGASELGTGPGAAGGDGDDSLYPIAVLIDELRNEDVQLR LNSIKKLSTIALALGVER TRSELLPFLTDTIYDEDEVLLA LAEQLGNFTGLVGGPDFAHCLLPLENLATVEETVV RDKA VESLRQISQEHTPVALEAYFVPLVKRLASGDWFTSRTSAC GLFSVCYPRASN AVKAEIRQQFRSLCSDDTMPVRRAAASK LGEFAKVELDSEVSEIVPLFTSLASDEQ DSVRLAVEAC VSIAQLLSQDDLETLMPTLRQAAEDKSWRVRYMVADRFS ELQK AMGPKITLNDLIPAFQNLKDCAEVRAAAAHKVKE LGENLPIEDRETIIMNQILPYIKE LVSDTNQHVKSALASV IMGLSTILGKENTIEHLLPLFLAQLKDECPDVRLNIISNL DCV NEVIGIRQLSQSLLPAIVELAEDAKWRVRLAIIYMP LLAGQLGVEFFDEKLNSLCMA WLVDHVYAIREAATNNLMK LVQKFGTEWAQNTIVPKVLVMANDPNYLHRMTTLFCI NAL SEACGQEITTKQMLPIVLKMAGDQVANVRFNVAKSLQKIG PILDTNALQGEVKP VLQKLGQDEDMDVKYFAQEASVLAL A
Sequence Similarities	Belongs to the phosphatase 2A regulatory subunit A family.Contains 15 HEAT repeats.

GENE INFORMATION

Gene Name	PPP2R1B protein phosphatase 2, regulatory subunit A, beta [Homo sapiens]
Official Symbol	PPP2R1B
Synonyms	PPP2R1B; protein phosphatase 2, regulatory subunit A, beta; protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform , protein phosphatase 2 (formerly 2A), regulatory subunit A, beta isoform; serine/threonine-protein phosphatase 2A

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Gene ID	5519
mRNA Refseq	NM_001177562
Protein Refseq	NP_001171033
MIM	603113
Uniprot ID	P30154
Chromosome Location	11q23.1
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; Cell Cycle, Mitotic, organism-specific biosystem;
Function	protein binding;

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