Recombinant Full Length Human PPP2R1B Protein

Cat. No. PPP2R1B-414HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PPP2R1B with N-terminal proprietary tag. Predicted MW 92.18 kDa.
Species	Human
Source	In Vitro Cell Free System
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.
Form	Liquid
Molecular Mass	92.180kDa inclusive of tags
AA Sequence	MAGASELGTGPGAAGGDGDDSLYPIAVLIDELRNEDVQLR LNSIKKLSTIALALGVER

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	TRSELLPFLTDTIYDEDEVLLA LAEQLGNFTGLVGGPDFAHCLLPPLENLATVEETVV RDKA VESLRQISQEHTPVALEAYFVPLVKRLASGDWFTSRTSAC GLFSVCYPRASN AVKAEIRQQFRSLCSDDTPMVRRAAASK LGEFAKVLELDSVKSEIVPLFTSLASDEQ DSVRLLAVEAC VSIAQLLSQDDLETLVMPTLRQAAEDKSWRVRYMVADRFS ELQK AMGPKITLNDLIPAFQNLLKDCEAEVRAAAAHKVKE LGENLPIEDRETIIMNQILPYIKE LVSDTNQHVKSALASV IMGLSTILGKENTIEHLLPLFLAQLKDECPDVRLNIISNL DCV NEVIGIRQLSQSLLPAIVELAEDAKWRVRLAIIEYMP LLAGQLGVEFFDEKLNSLCMA WLVDHVYAIREAATNNLMK LVQKFGTEWAQNTIVPKVLVMANDPNYLHRMTTLFCI NAL SEACGQEITTKQMLPIVLKMAGDQVANVRFNVAKSLQKIG PILDTNALQGEVKP VLQKLGQDEDMDVKYFAQEAISVLAL A
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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
Gene ID	5519

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mRNA Refseq	NM_001177562
Protein Refseq	NP_001171033
MIM	603113
UniProt ID	P30154

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