

## Recombinant Human PPP2R1B

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length Human PPP2R1B with N-terminal proprietary tag. Predicted MW 92.18kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 601 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | <p>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.</p> |
| <b>Molecular Weight</b> | 92.180kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | Proprietary Purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

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

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PPP2R1B protein phosphatase 2, regulatory subunit A, beta [ Homo sapiens ]                                                                                                                                                                                     |
| <b>Official Symbol</b> | PPP2R1B                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | 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 |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

|                            |                                                                                                                                                                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 5519                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | NM_001177562                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | NP_001171033                                                                                                                                                                                                                                                                               |
| <b>MIM</b>                 | 603113                                                                                                                                                                                                                                                                                     |
| <b>Uniprot ID</b>          | P30154                                                                                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 11q23.1                                                                                                                                                                                                                                                                                    |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | protein binding;                                                                                                                                                                                                                                                                           |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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