



# Recombinant Human Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform (PPP2R1B)

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| <b>Product Code</b>      | CSB-MP018563HU  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P30154  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | AGASELGTG PGAAGGDGDD SLYPIAVLID ELRNEDVQLR LNSIKKLSTI<br>ALALGVERTR SELLPFLTDT IYDEDEVLLA LAEQLGNFTG LVGGPDFAHC<br>LLPPLENLAT VEETVVRDKA VESLRQISQE HTPVALEAYF VPLVKRLASG<br>DWFTSRTSAC GLFSVCYPRA SNAVKAIRQ QFRSLCSDDT PMVRRAAASK<br>LGEFAKVLEL DSVKSEIVPL FTSLASDEQD SVRLAVEAC VSIAQLLSQD<br>DLETLMPTL RQAAEDKSWR VRYMVADRFS ELQKAMGPKI TLNDLIPAFQ<br>NLLKDCEAEV RAAAAHKVKE LGENLPIEDR ETIIMNQILP YIKELVSDTN<br>QHVKSALASV IMGLSTILGK ENTIEHLLPL FLAQLKDECP DVRLNIISNL<br>DCVNEVIGIR QLSQSLLPAI VELAEDAKWR VRLAIEYMP LLAGQLGVEF<br>FDEKLNSLCM AWLVDHVYAI REAATNNLMK LVQKFGTEWA QNTIVPKVLV<br>MANDPNYLHR MTTLFCINAL SEACGQEITT KQMLPIVLKM AGDQVANVRF<br>NVAKSLQKIG PILDTNALQG EVKPVQLKLG QDEDMDVKYF AQEAISVLAL A |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | PPP2R1B   |
| <b>Protein Names</b>     | Recommended name: Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform Alternative name(s): PP2A subunit A isoform PR65-beta PP2A subunit A isoform R1-beta   |
| <b>Expression Region</b> | 2-601   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Target Details</b>    | 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. Defects in this gene could be the cause of some lung and colon cancers. At least two transcript variants encoding different isoforms have been found for this gene.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.