



Recombinant Human Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform (PPP2R2B)

Product Code	CSB-EP018565HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q00005
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEEDIDTRKI NNSFLRDHSY ATEADIISTV EFNHTGELLA TGDKGGRVVI FQREQESKNQ VHRERGEYVY STFQSHEPEF DYLSLEIEE KINKIRWLPQ QNAAYFLLST NDKTVKLWKV SERDKRPEGY NLKDEEGRLR DPATITTLRV PVLRPMDLMV EATPRRVFAN AHYHINSIS VNSDYETYMS ADDLRINLWN FEITNQS FNI VDIK PANMEE LTEVITAAEF HPHHCNTFVY SSSKGTIRLC DMRASALCDR HTKFFEEPED PSNRSFFSEI ISSISDVKFS HSGRYIMTRD YLTVKVWDLN MENRPIETYQ VHDYLRSLKLC SLYENDCIFD KFECVWNGSD SVIMTGSYNN FFRMFDRNTK RDVTLEASRE NSKPRAILKP RKCVCVGGKRR KDEISVDSL D FSKKILHTAW HPSENIIAVA ATNNLYIFQD KVN
Source	E.coli
Target Names	PPP2R2B
Protein Names	Recommended name: Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform Alternative name(s): PP2A subunit B isoform B55-beta PP2A subunit B isoform PR55-beta PP2A subunit B isoform R2-beta PP2A subunit B isof
Expression Region	1-443
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	The product of this gene belongs to the phosphatase 2 regulatory subunit B family. 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 B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a beta isoform of the regulatory subunit B55 subfamily. Defects in this gene cause autosomal dominant spinocerebellar ataxia 12 (SCA12), a disease caused by degeneration



of the cerebellum, sometimes involving the brainstem and spinal cord, and in resulting in poor coordination of speech and body movements. Multiple alternatively spliced variants, which encode different isoforms, have been identified for this gene. The 5' UTR of some of these variants includes a CAG trinucleotide repeat sequence (7-28 copies) that can be expanded to 66-78 copies in cases of SCA12.

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.

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.