Recombinant Rat Beta-arrestin-2 (Arrb2)

Product Code	CSB-BP002135RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P29067
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MGEKPGTRVF KKSSPNCKLT VYLGKRDFVD HLDKVDPVDG VVLVDPDYLK DRKVFVTLTC AFRYGREDLD VLGLSFRKDL FIATYQAFPP MPNPPRPPTR LQDRLLKKLG QHAHPFFFTI PQNLPCSVTL QPGPEDTGKA CGVDFEIRAF CAKSIEEKSH KRNSVRLIIR KVQFAPETPG PQPSAETTRH FLMSDRRSLH LEASLDKELY YHGEPLNVNV HVTNNSAKTV KKIRVSVRQY ADICLFSTAQ YKCPVAQLEQ DDQVSPSSTF CKVYTITPLL SDNREKRGLA LDGQLKHEDT NLASSTIVKE GANKEVLGIL VSYRVKVKLV VSRGGDVSVE LPFVLMHPKP HDHITLPRPQ SAPREIDIPV DTNLIEFDTN YATDDDIVFE DFARLRLKGM KDDDCDDQFC
Source	Baculovirus
Target Names	Arrb2
Protein Names	Recommended name: Beta-arrestin-2 Alternative name(s): Arrestin beta-2
Expression Region	1-410
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	Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. Arrestin beta 2, like arrestin beta 1, was shown to inhibit beta-adrenergic receptor function in vitro. It is expressed at high levels in the central nervous system and may play a role in the regulation of synaptic receptors. Besides the brain, a cDNA for arrestin beta 2 was isolated from thyroid gland, and thus it may also be involved in hormone-specific desensitization of TSH receptors. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been defined.
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.