



# Recombinant Rat Beta-arrestin-2 (Arrb2)

<b>Product Code</b>	CSB-EP002135RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P29067
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MGEKPGTRVF KKSSPNCKLT VYLGKRDFVD HLDKVPVDG VVLVDPDYLK DRKVFVTLTC AFRYGREDLD VLGLSFRKDL FIATYQAFPP MPNPPRPPTTR LQDRLLKKG 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
<b>Source</b>	E.coli
<b>Target Names</b>	Arrb2
<b>Protein Names</b>	Recommended name: Beta-arrestin-2 Alternative name(s): Arrestin beta-2
<b>Expression Region</b>	1-410
<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 protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.