



Recombinant Rat Beta-adrenergic receptor kinase 2 (Adrbk2)

Product Code	CSB-MP001395RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P26819
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MADLEAVLAD VSYLMAMEKS KATPAARASK KVVLPESIR SVMQRYLAER NEITFDKIFN QKIGFLLFKD FCLNEIGEAV PQVKFYEEIK EYEKLDNEED RLHRSRQMYD AYIMRELLSS THQFSKQAVE HVQSHLSKKQ VTPTLFQPYI EEICESLRGD IFQKFMESK FTRFCQWKNV ELNIHLSMND FSVHRIIGR GFGEVYGCRK ADTGKMYAMK CLDKKRVKMK QGETLALNER IMLSLVSTGD CPFIVCMTYA FHTPDKLCFI LDLMNGGDMH YHLSQHGVFS EKEMRFYASE IILGLEHMHT CFVVYRDLKP ANILLDEYGH VRISDLGLAC DFSKPKPHAS VGTHGYMAPE VLQKGTCTYDS SADWFSLGCM LFKLLRGHSP FRQHKTCDKH EIDRMTLTVN VQLPDAFSPE LRSLLLEGLLQ RDVSQRLGCY GGGARELKEH IFFKIDWQY VYLRKYPPPL IPPRGEVNAA DAFDIGSFDE EDTKGILLD CDQDLYKNFP LMISERWQQE VVETIYDAVN AETDKIEARK KAKNKQLCQE EDYAMGKDCI MHGYMLKLG N PFLTQWQRRY FYLFNRLEW RGEGESRQNL LTMEQIMSVE ETQIKDRKCI LLRVKGGKQF VLQCESDPEF AQWLKELTCT FNEAQRLLRR APKFLNKPRA AILEFSKPPL CHRNSSGL
Source	Mammalian cell
Target Names	Grk3
Protein Names	Recommended name: Beta-adrenergic receptor kinase 2 Short name= Beta-ARK-2 EC= 2.7.11.15 Alternative name(s): G-protein-coupled receptor kinase 3
Expression Region	1-688
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 beta-adrenergic receptor kinase specifically phosphorylates the agonist-occupied form of the beta-adrenergic and related G protein-coupled receptors. Overall, the beta adrenergic receptor kinase 2 has 85% amino acid similarity with beta adrenergic receptor kinase 1, with the protein kinase catalytic domain having 95% similarity. These data suggest the existence of a family of receptor kinases which may serve broadly to regulate receptor function.
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.