



# Recombinant Rat Beta-adrenergic receptor kinase 2 (Adrbk2)

<b>Product Code</b>	CSB-MP001395RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P26819
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MADLEAVLAD VSYLMAMEKS KATPAARASK KVVLPESIR SVMQRYLAER NEITFDKIFN QKIGFLLFKD FCLNEIGEAV PQVKFYEEIK EYEKLDNEED RLHRSRQMYD AYIMRELLSS THQFSKQAVE HVQSHLSKKQ VTPTLFQPYI EEICESLRGD IFQKFMESK FTRFCQWKNV ELNIHLSMND FSVHRIIGRG GFGEVYGCRK ADTGKMYAMK CLDKKRVKMK QGETLALNER IMLSLVSTGD CPFIVCMTYA FHTPDKLCFI LDLMNGGDMH YHLSQHGVSF EKEMRFYASE IILGLEHMHT CFVVYRDLKP ANILLDEYGH VRISDLGLAC DFSKPKPHAS VGTHGYMAPE VLQKGTCTYDS SADWFSLGCM LFKLLRGHSP FRQHKTKDKH 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
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Grk3
<b>Protein Names</b>	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
<b>Expression Region</b>	1-688
<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>	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.
<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.