



# Recombinant Rat Beta-adrenergic receptor kinase 1 (Adrbk1)

<b>Product Code</b>	CSB-EP001394RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P26817
<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 KILLPEPSIR SVMQKYLEDR GEVTFEKIFS QKLG YLLFRD FYLNHLEEAK PLVEFYEEIE KYEKLETEEE RVVRSREIFD SYIMKELLAC SHPFSKNATE HVQGHLVKKQ VPPDLFQPYI EEICQNLRGD VFHKFIESDK FTRFCQWKNV ELNIHLTMND FSVHRIIGRG GFGEVYGCRK ADTGKMYAMK CLDKKRIKMK QGETLALNER IMLSLVSTGD CPFIVCMSYA FHTPKLSFI LDLMNGGDLH YHLSQHGVFS EADMRFYAAE IILGLEMHMN RFVVYRDLKP ANILLDEHGH VRISDLGLAC DFSKKKPHAS VGTHGYMAPE VLQKGVAYDS SADWFSLGCM LFKLLRGHSP FRQHKTCDKH EIDRMTLTMA VEPDSFSPE LRSLLLEGLLQ RDVNRRLGCL GRGAQEIKES PFFRSLDWQM VFLQKYPPPL IPPRGEVNAA DAFDIGSFDE EDTKGIKLLD SDQELYRNFP LTISERWQQE VAETVFDTIN AETDRLEARK KAKNKQLGHE EDYALGKDCI MHGYMSKMGN PFLTQWQRRY FYLFPNRLEW RGEDEAPQSL LTMEEIQSVE ETQIKERKCL LLKIRGGKQF VLQCDSDP ELVQWKKELRDA YREAQQLVQR VPKMKNKPRS PVVELSKVPL IQRGSANGL
<b>Source</b>	E.coli
<b>Target Names</b>	Grk2
<b>Protein Names</b>	Recommended name: Beta-adrenergic receptor kinase 1 Short name= Beta-ARK-1 EC= 2.7.11.15 Alternative name(s): G-protein-coupled receptor kinase 2
<b>Expression Region</b>	1-689
<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 product of this gene phosphorylates the beta-2-adrenergic receptor and appears to mediate agonist-specific desensitization observed at high agonist concentrations. This protein is an ubiquitous cytosolic enzyme that specifically phosphorylates the activated form of the beta-adrenergic and related G-protein-coupled receptors. Abnormal coupling of beta-adrenergic receptor to G protein is involved in the pathogenesis of the failing heart.
<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.