



Recombinant Rat Beta-adrenergic receptor kinase 1 (Adrbk1)

Product Code	CSB-EP001394RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P26817
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MADLEAVLAD VSYLMAMEKS KATPAARASK KILLPEPSIR SVMQKYLEDR GEVTFEKIFS QKLGYLLFRD FYLNHLEEAK PLVEFYEEIE KYEKLETEEE RVVRSREIFD SYIMKELLAC SHPFKSNATE HVQGHLVKKQ VPPDLFQPYI EEICQNLRGD VFHKFIESDK FTRFCQWKNV ELNIHLTMND FSVHRIIGRG GFGEVYGCRK ADTGKMYAMK CLDKKRIKMK QGETLALNER IMLSLVSTGD CPFIVCMSYA FHTPKLSFI LDLMNGGDLH YHLSQHGVS EADMRFYAAE IILGLEMHMHN RFVVYRDLKP ANILLDEHGH VRISDLGLAC DFSKKKPHAS VGTHGYMAPE VLQKGVAYDS SADWFSLGCM LFKLLRGHSP FRQHKTCDKH EIDRMTLTMA VELPDSFSPE LRSLLLEGLLQ RDVNRRLGCL GRGAQEIKES PFFRSLDWQM VFLQKYPPPL IPPRGEVNAA DAFDIGSFDE EDTKGIKLLD SDQELYRNFP LTISERWQQE VAETVFDIN AETDRLEARK KAKNKQLGHE EDYALGKDCI MHGYMSKMGN PFLTQWQRRY FYLFPNRLEW RGEDEAPQSL LTMEEIQSVE ETQIKERKCL LLKIRGGKQF VLQCDSDP ELVQWKKELRDA YREAQQLVQR VPKMKNKPRS PVVELSKVPL IQRGSANGL
Source	E.coli
Target Names	Grk2
Protein Names	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
Expression Region	1-689
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 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.
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.