



Recombinant Mouse Beta-adrenergic receptor kinase 1 (Adrbk1)

Product Code	CSB-EP858153MO-B
Abbreviation	Adrbk1
Storage	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.
Uniprot No.	Q99MK8
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MADLEAVLAD VSYLMAMEKS KATPAARASK KILLPEPSIR SVMQKYLEDR GEVTFEKIFS QKLGYLLFRD FCLNHLEEAK PLVEFYEEIK KYEKLETEEE RVVRSREIFD SYIMKELLAC SHPFKSNATE HVQGHLVKKQ VPPDLFQPYI EEICQNLRGD VFQKFIESDK FTRFCQWKNV ELNIHLTMND FSVHRIIGRG GFGEVYGCRK ADTGKMYAMK CLDKKRIKMK QGETLALNER IMLSLVSTGD CPFIVCMSYA FHTPDKLSFI LDLMNGGDLH YHLSQHGVS EADMRFYAAE IILGLEMHMN RFVVYRDLKP ANILLDEHGH VRISDLGLAC DFSKKRPHAS VGTHGYMAPE VLQKGVAYDS SADWFSLGCM LFKLLRGHSP FRQHKTCDKH EIDRMTLTMA VELPDSFSPE LRSLLEGLLQ RDVNRRLGCL GRGAQEVKES PFFRSLDWQM VFLQKYPPPL IPPRGEVNAA DAFDIGSFDE EDTKGIKLLD SDQELYRNFP LTISERWQQE VAETVFDITIN AETDRLEARK KAKNKQLGHE EDYALGKDCI VHGYMSKMGN PFLTQWQRRY FYLFPNRLEW RGEGEAPQSL LTMEEIQSVE ETQIKERKCL LKIRGGKQF VLQCSDPEL VQWKKELRDA 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= 2.7.11.15Alternative 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.