

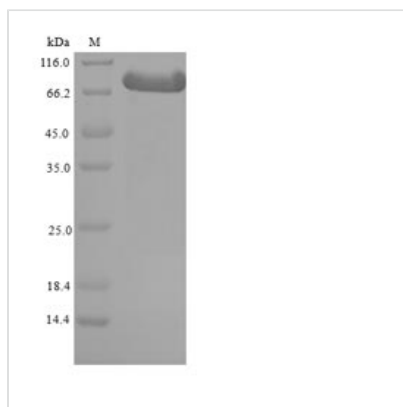


Recombinant Mouse Beta-adrenergic receptor kinase 1 (Grk2)

Product Code	CSB-EP858153MO
Relevance	Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them.
Abbreviation	Recombinant Mouse Grk2 protein
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
Alias	G-protein-coupled receptor kinase 2
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MADLEAVLADVSYLMAMEKSKATPAARASKKILLPEPSIRSVMQKYLEDRGEV TFEKIFSQKLGYYLLFRDFCLNHLEEA KPLVEFYEEIKKYEKLETEEEERVVRSREI FDSYIMKELLACSHPF SKNATEHVQGH LVKKQVPPDLFQPYIEEICQNLRGDVF QKFIESDKFTRFCQWKNVELNIHLTMNDFS VHRIGRGGFGEVYGCRKADTGK MYAMKCLDKKRIKMKQGETLALNERIMLSLVSTGDCPFIVCMSYAFHTPDKLSF ILDLMNGGDLHYHLSQHGVFSEADMRFYAAEII LGLEHMHNRFFVYRDLKPANI LLDEHGHVRISDLGLACDFSKKRPHASVGTHGYMAPEVLQKGVAYDSSADWF SLGCMLFKLLRGHSPFRQHKT KDKHEIDRMTLTMAVELPDSFSPELRSLLLEGL LQRDVNRR LGCLGRGAQEVKESPFFRSLDWQMVFLQKYPPPLIPPRGEVNAA DAFDIGSFDEEDTKGIKLLDSDQELYRNFP LTISERWQQEVAETVFDTINAETD RLEARKKAKNKQLGHEEDYALGKDCIVHGYMSKMGNPFLTQWQRRYFYLFPN RLEWRGEGEAPQSLLTMEEIQSVEETQIKERKCLLLKIRGGKQFVLQCDS DPE LVQWKKELRDAYREAQQLVQRVPKMKNKPRSPVVELSKVPLIQRGSANGL
Research Area	Others
Source	E.coli
Target Names	Grk2
Expression Region	1-689aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	95.6kDa
Protein Length	Full Length



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Synthesizing the recombinant Mouse Grk2 protein generally involves integrating the DNA fragment that encodes the Mouse Grk2 protein (1-689aa) into a plasmid, introducing the recombinant plasmid into e.coli cells, followed by the selection and culturing of positive e.coli cells, induction of protein expression, and subsequent cell lysis. A N-terminal 6xHis-SUMO tag is fused to the protein. The protein is purified through affinity purification, and SDS-PAGE analysis is conducted to confirm the presence of the protein and determine its purity. The protein's purity surpasses 90%.

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.