

Recombinant Mouse GRK2 Protein (1-689 aa), His-SUMO-tagged

Cat. No. GRK2-1920M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse GRK2 Protein (1-689 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Mouse
Source	E.coli
ProteinLength	1-689 aa
Description	Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them.
Form	Tris-based buffer,50% glycerol
Molecular Mass	95.6 kDa
AA Sequence	MADLEAVLADVSYLMAMEKSKATPAARASKILLPEPSIRSVMQKYLEDRGEVTFEKI FSQKLGYLLFRDFCLNHLEEAAPLVEFYEEIKKYEKLETEEEERVRSREIFDSYIMKEL LACSHPFCKNATEHVQGHVKKQVPPDLFQPYIEEICQNLRGDFVQKFIESDKFTRF CQWKNVELNIHLTMNDFSVHRIIGRGGFGEVYGCRKADTGKMYAMKCLDKKRIKMK QGETLALNERIMLSLVSTGDCPFIVCMSYAFHTPDKLSFILDLMNGGDLHYHLSQHG VFSEADMRFYAAEILGLEHMHNRFFVYRDLKPANILLDEHGHVRISDLGLACDFSKK RPHASVGTHGYMAPEVLQKGVAYDSSADWFSLGCMFLKLLRGHSPFRQHKTKDKH

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EIDRMTLTMAVELPDSFSPELRSLLLEGLLQRDVNRRLGCLGRGAQEVKESPFRRSLD
WQMVFLQKYPPPLIPPRGEVNAADAFDIGSFDEEDTKGIKLLDSDQELYRNFPLTISE
RWQQEVAETVFDTINAETDRLEARKKAKNKQLGHEEDYALGKDCIVHGYMSKMGN
PFLTQWQRRYFYLPNRLEWRGEGEAPQSLLTMEEIQSVEETQIKERKCLLLKIRGG
KQFVLQCDSDPELVQWKELRDYREAQQLVQRPVKMKNKPRSPVVVELSKVPLIQR
GSANGL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name Grk2 G protein-coupled receptor kinase 2 [Mus musculus (house mouse)]

Official Symbol GRK2

Synonyms Adrbk1; Bark-1; Adrbk-1; beta ARK; betaARK1;

Gene ID 110355

mRNA Refseq NM_001290818

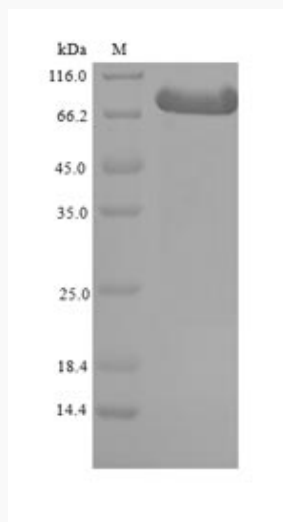
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Protein Refseq NP_001277747

UniProt ID Q99MK8



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

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