

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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.                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-689 aa                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them.                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Tris-based buffer,50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 95.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MADLEAVLADVSYLMAMEKSKATPAARASKILLPEPSIRSVMQKYLEDRGEVTFEKI<br>FSQKLGYLLFRDFCLNHLEEA KPLVEFYEEIKKYEKLETEEERVRSREIFDSYIMKEL<br>LACSHPF SKNATEHVQGH LVKKQVPPDLFQPYIEEICQNLRGDV FQKFIESDKFTRF<br>CQWKNVELNIHLTMNDFSVHRIIGRGGFGGEVYGCRKADTGKMYAMKCLDKKRIKMK<br>QGETLALNERIMLSLVSTGDCPFIVCMSYAFHTPDKLSFILDLMNGGDLHYHLSQHG<br>VFSEADMRFYAAEILGLEHMHNRFFVYRDLKPANILLDEHGHVRISDLGLACDFSKK<br>RPHASVGTHGYMAPEVLQKGVAYDSSADWFSLGCMFLKLLRGHSPFRQHKTKDKH |

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EIDRMTLTMAVELPDSFSPELRSLLLEGLLQRDVNRRLGCLGRGAQEVKESPFRRSLD  
WQMVFLQKYPPPLIPPRGEVNAADAFDIGSFDEEDTKGIKLLDSDQELYRNFPLTISE  
RWQQEVAETVFDTINAETDRLEARKKAKNKQLGHEEDYALGKDCIVHGYMSKMG  
PFLTQWQRRYFYLPNRLEWRGEGEAPQSLLTMEEIQSVEETQIKERKCLLLKIRGG  
KQFVLQCDSDPELVQWKELRDYREAQQLVQRPVKMKNKPRSPVVELSKVPLIQR  
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

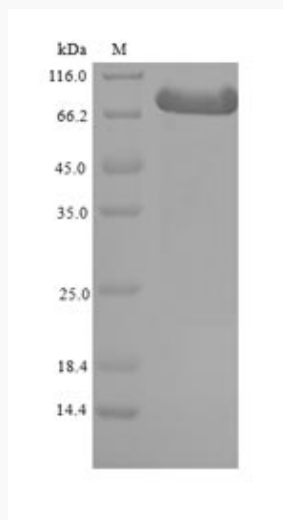
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**Protein Refseq** NP\_001277747

**UniProt ID** Q99MK8



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

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