

# Recombinant Human GRK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** GRK2-2641H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ADRBK1 MS Standard C13 and N15-labeled recombinant protein (NP_001610) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | This gene encodes a member of the G protein-coupled receptor kinase family of proteins. The encoded protein phosphorylates the beta-adrenergic receptor as well as a wide range of other substrates including non-GPCR cell surface receptors, and cytoskeletal, mitochondrial, and transcription factor proteins. Data from rodent models supports a role for this gene in embryonic development, heart function and metabolism. Elevated expression of this gene has been observed in human patients with heart failure and Alzheimer's disease. |
| <b>Molecular Mass</b>   | 79.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MADLEAVLADVSYLMAMEKSKATPAARASKILLPEPSIRSVMQKYLEDRGEVTFEKF<br>FSQKLGYLLFRDFCLNHLEEARPLVEFYEEIKKYEKLETEEEERVARSREIFDSYIMKEL<br>LACSHPFKSATEHVQGHGKKQVPPDLFQPYIEEICQNLRGDVFQKFIESDKFTRF<br>CQWKNVELNIHLTMNDFSVHRIIGRGGFGEVYGCRKADTGKMYAMKCLDKKRIKMK<br>QGETLALNERIMLSLVSTGDCPFIVCMSYAFHTPDKLSFILDLMNGGDLHYHLSQHG<br>VFSEADMRFYAAEILGLEHMHNRFFVYRDLKPANILLDEHGHVRISDLGLACDFSKK                                                                                                                                                                         |

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KPHASVGTHGYMAPEVLQKGVAYDSSADWFSLGCMFLKLLRGHSPFRQHKTKDKH  
 EIDRMTLTMAVELPDSFSPELRSLLLEGLLQRDVNRRLGCLGRGAQEVKESPFRRSLD  
 WQMVFLQKYPPPLIPPRGEVNAADAFDIGSFDEEDTKGIKLLDSDQELYRNFPLTISE  
 RWQQEVAETVFDTINAETDRLEARKKAKNKQLGHEEDYALGKDCIMHGYMSKMGN  
 PFLTQWQRRYFYLFNRLWRGEGEAPQSLTMEEIQSVEETQIKERKCLLLKIRGG  
 KQFILQCSDPELVQWKKELRDAYREAQQLVQRPKMKNKPRSPVVELSKVPLVQR  
 GSANGLSGPSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** GRK2 G protein-coupled receptor kinase 2 [ Homo sapiens (human) ]

**Official Symbol** GRK2

**Synonyms** GRK2; G protein-coupled receptor kinase 2; BARK1; ADRBK1; BETA-ARK1; beta-adrenergic receptor kinase 1; adrenergic beta receptor kinase 1; beta-ARK-1; EC 2.7.11.15

**Gene ID** 156

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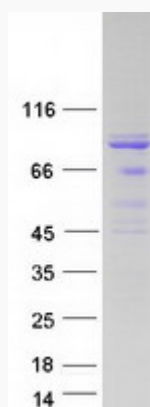
**mRNA Refseq** [NM\\_001619](#)

**Protein Refseq** [NP\\_001610](#)

**MIM** [109635](#)

**UniProt ID** [P25098](#)

**SDS-PAGE**



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