

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

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

SPECIFICATION

Product Overview	ADRBK1 MS Standard C13 and N15-labeled recombinant protein (NP_001610) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	79.4 kDa
AA Sequence	MADLEAVLADVSYLMAMEKSKATPAARASKILLPEPSIRSVMQKYLEDRGEVTFEKF FSQKLGYLLFRDFCLNHLEEARPLVEFYEEIKKYEKLETEEEERVARSREIFDSYIMKEL LACSHPFKSATEHVQGHLGKKQVPPDLFQPYIEEICQNLRGDVFQKFIESDKFTRF CQWKNVELNIHLTMNDFSVHRIIGRGGFGEVYGCRKADTGKMYAMKCLDKKRIKMK QGETLALNERIMLSLVSTGDCPFIVCMSYAFHTPDKLSFILDLMNGGDLHYHLSQHG VFSEADMRFYAAEILGLEHMHNRFFVYRDLKPANILLDEHGHVRISDLGLACDFSCK

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KPHASVGTHGYMAPEVLQKGVAYDSSADWFSLGCMFLKLLRGHSPFRQHKTKDKH
 EIDRMTLTMAVELPDSFSPELRSLLLEGLLQRDVNRRRLGCLGRGAQEVKESPFRRSLD
 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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