

Recombinant Full Length Human GRK2 Protein, Flag tagged

Cat. No. ADRBK1-09HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human adrenergic, beta, receptor kinase 1 (ADRBK1) with C-Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-689 aa
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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	79.4 kDa
AASequence	MADLEAVLADVSYLMAMEKSKATPAARASKILLPEPSIRSVMQKYLEDRGEVTFEKI FSQKLGYLLFRDFCLNHLEEARPLVEFYEEIKKYEKLETEEEERVARSREIFDSYIMKEL LACSHPFSSKATEHVQGHLGKKQVPPDLFQPYIEEICQNLRGDVFQKFIESDKFTRF CQWKNVELNIHLTMNDFSVHRIIGRGGFGEVYGCRKADTGKMYAMKCLDKKRIKMK

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QGETLALNERIMLSLVSTGDCPFIVCMSYAFHTPDKLSFILDLMNGGDLHYHLSQHG
VFSEADMRFYAAEILGLEHMHNRFFVYRDLKPANILLDEHGHVRISDLGLACDFSKK
KPHASVGTHGYMAPEVLQKGVAYDSSADWFSLGCMFLKLLRGHSPFRQHKTCDKH
EIDRMTLTMAVELPDSFSPELRSLLLEGLLQRDVRRLGCLGRGAQEVKESPFRRSLD
WQMVFLQKYPPPLIPPRGEVNAADAFDIGSFDEEDTKGIKLLDSDQELYRNFPLTISE
RWQQEVAETVFDTINAETDRLEARKKAKNKQLGHEEDYALGKDCIMHGYMSKMGN
PFLTQWQRRYFYLFNRLEWRGEGEAPQSLLTMEEIQSVEETQIKERKCLLLKIRGG
KQFILQCSDPELVQWKELRDYREAQQLVQRPVKMKNKPRSPVVELSKVPLVQR
GSANGLSGPSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	>0.05 µg/µL as determined by microplate BCA method

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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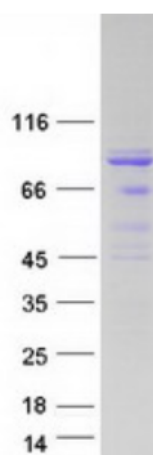
mRNA Refseq [NM_001619](#)

Protein Refseq [NP_001610](#)

MIM [109635](#)

UniProt ID [P25098](#)

SDS-PAGE



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