

Product datasheet for PH310327

GRK2 (NM_001619) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ADRBK1 MS Standard C13 and N15-labeled recombinant protein (NP_001610)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210327
Predicted MW:	79.4 kDa
Protein Sequence:	>RC210327 representing NM_001619 Red=Cloning site Green=Tags(s)

MADLEAVLADVSYLMAMEKSKATPAARASKKILLPEPSIRSVMQKYLEDRGEVTFEKIFISQKLGYLFRD
FCLNHLEEARPLVEFYEEIKKYEKLETEEERVARSRIFDSYIMKELLACSHPFKSKATEHVQGHGKQ
VPPDLFQPYIEEICQNLRGDVFQKFIESDKFTRFCQWKNVELNIHLMNDFSVHRIIGRGGFGEVYGCRK
ADTGKMYAMKCLDKKRIKMKQGETLALNERIMLSLVSTGDCPFIVCMSYAFHTPDKLSFILDLMNGGDLH
YHLSQHGVFSEADMRFYAAEIIIGLEHMHNRVYRDLKPANILLDEHGHVRIISDLGLACDFSKKKPHAS
VGTHGYMAPEVLQKGVAYDSSADWFSLGCMLFKLLRGHSPFRQHKTKDKHEIDRMTLTMAVELPDSFSPE
LRSLLEGLLQRDYNRRLGCLGRGAQEVKESPFRRSLDWQMVFLQKYPPLIPPRGEVNAADAFDIGSFDE
EDTKGIKLLDSDQELYRNFPLTISERWQQEVAETVFDINAETDRLEARKKAKNKQLGHEEDYALGKDCI
MHGYMSKMGNPFLTQWQRRYFYLPNRLWRGEGEAPQSLLTMEEQSVEETQIKERKCLLLKIRGGKQF
ILQCDSDPELVQWKKELRDAYREAQQLVQRVPMKNKPRSPVVVELSKVPLVQRGSANGLSGP

SGPTRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001610
RefSeq Size:	3603



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RefSeq ORF: 2076

Synonyms: ADRBK1; BARK1; BETA-ARK1

Locus ID: 156

UniProt ID: [P25098](#), [A0A0S2Z392](#)

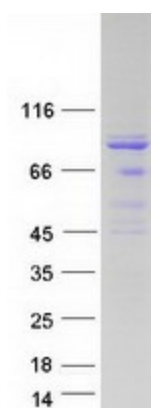
Cytogenetics: 11q13.2

Summary: 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. [provided by RefSeq, Sep 2017]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Chemokine signaling pathway, Endocytosis

Product images:



Coomassie blue staining of purified GRK2 protein (Cat# [TP310327]). The protein was produced from HEK293T cells transfected with GRK2 cDNA clone (Cat# [RC210327]) using MegaTran 2.0 (Cat# [TT210002]).