

Product datasheet for **TP310327M**

GRK2 (NM_001619) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human adrenergic, beta, receptor kinase 1 (ADRBK1), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC210327 representing NM_001619 Red=Cloning site Green=Tags(s) |

MADLEAVLADVSYLMAMEKSKATPAARASKILLPEPSIRSVMQKYLEDRGEVTFEKIFSQKLGYLFRD
FCLNHLEEARPLVEFYEEIKKYEKLETEEERVARSRIFDSYIMKELLACSHPPFSKSATEHVQGHGKQ
VPPDLFQPYIEEICQNLRGDVFQKFIESDKFTRFCQWKNVELNIHLTMNDFSVHRIIGRGGFGEVYGCRK
ADTGKMYAMKCLDKKRIKMKQGETLALNERIMLSLVSTGDCPFIVCMSYAFHTPKLSFILDLMNGGDLH
YHLSQHGVFSEADMRFYAAEILGLEHMHNRVYRDLPANILLDEHGHVRISDLGLACDFSKKKPHAS
VGTHGYMAPEVLQKGVAYDSSADWFSLGCMFLKLLRGHSPFRQHKTCDKHEIDRMTLTMAVELPDSFSPE
LRSLLLEGLLQRDVNRRLGCLGRGAQEVKESPFRRSLDWQMVFLQKYPPLIPPRGEVNAADAFDIGSFDE
EDTKGIKLLDSDQELYRNFPLTISERWQQEVAETVFDTINAETDRLEARKKAKNKQLGHEEDYALGKDCI
MHGYMSKMGNPFLTQWQRRYFYLFPNRLEWRGEGEAPQSLLTMEEIQSVEETQIKERKCLLLKIRGGKQF
ILQCDSDPELVQWKELRDYREAQQLVQRVPMKMKPRSPVWELSKVPLVQRGSANGLSGP

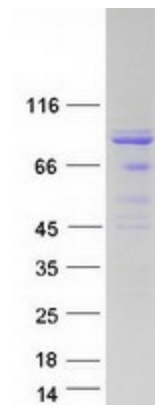
SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

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|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 79.4 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | 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°C. |



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| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_001610</u> |
| Locus ID: | 156 |
| UniProt ID: | <u>P25098</u> , <u>A0A0S2Z392</u> |
| RefSeq Size: | 3603 |
| Cytogenetics: | 11q13.2 |
| RefSeq ORF: | 2076 |
| Synonyms: | ADRBK1; BARK1; BETA-ARK1 |
| 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]).