

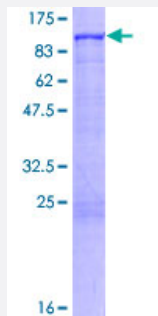
Full-Length

ADRBK1 (Human) Recombinant Protein (P01)

Catalog # H00000156-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ADRBK1 full-length ORF (AAH37963.1, 1 a.a. - 689 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MADLEAVLADVSYLMAMEKSKATPAARASKKILLPEPSIRSVMQKYLEDRGEVTFEKIFSQKLGYL
LFRDFCLNHLEEARPLVEFYEEIKKYEKLETEEERVARSRIFDSYMKELLACSHPFSSKATEHVQ
GHLGKKQVPPDLFQPYEEICQNLRGDVFQKFIESDKFTRFCQWKNVELNIHLMNDFSVHRIIGRG
GFGEVYGCRKADTGKMYAMKCLDKKRIKMKQGETLALNERIMLSLVSTGDCPFIVCMSYAFHTPD
KLSFILDLMNGGDLHYHLSQHGVFSEADMRFYAAEILGLEHMHNRFFVYRDLKPANILLDEHGHVR
ISDLGLACDFSKKKPHASVGTGHGYMAPEVLQKGVAYDSSADWFSLGCMFLKLLRGHSPFRQHKT
KDKHEIDRMTLTMAVELPDSFSPELRSLLLEGLLQRDVNRRLGCLGRGAQEVKESPFRRSLDWQM
VFLQKYPPPLIPPRGEVNAAADFSGFDEEDTKGIKLLDSDQELYNFPLTISERWQQEVAETVF
DTINAETDRLEARKKAKNKQLGHEEDYALGKDCIMHGYMSKMGNPFLTQWQRRYFYLPNRLEW
RGEGEAPQSLLTMEEQSVEETQIKERKCLLLKIRGGKQFILQCDSDPQLVQWKELRDAYREAQ
QLVQVRVPMKNKPRSPVVELSKVPLVQRGSANGL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

106

Interspecies Antigen Sequence

Mouse (99); Rat (98)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ADRBK1

Entrez GeneID	156
GeneBank Accession#	BC037963.1
Protein Accession#	AAH37963.1
Gene Name	ADRBK1
Gene Alias	BARK1, BETA-ARK1, FLJ16718, GRK2
Gene Description	adrenergic, beta, receptor kinase 1
Omim ID	109635
Gene Ontology	Hyperlink
Gene Summary	The product of this gene phosphorylates the beta-2-adrenergic receptor and appears to mediate agonist-specific desensitization observed at high agonist concentrations. This protein is an ubiquitous cytosolic enzyme that specifically phosphorylates the activated form of the beta-adrenergic and related G-protein-coupled receptors. Abnormal coupling of beta-adrenergic receptor to G protein is involved in the pathogenesis of the failing heart. [provided by RefSeq]
Other Designations	beta adrenergic receptor kinase 1

Pathway

- [Chemokine signaling pathway](#)
- [Endocytosis](#)

Disease

- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)