

Bioactive

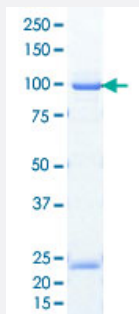
Full-Length

ADRBK1 (Human) Recombinant Protein

Catalog # P5495

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human ADRBK1 (AAA58391.1, 1 a.a. - 689 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	106
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	55 % by SDS-PAGE/CBB staining

Activity	The activity was determined by ELISA. The enzyme was incubated with biotinylated substrate protein , and after stopping kinase reaction by EDTA, the reaction solution was transferred into streptavidin-coated plate. Phosphorylation was detected by anti-phospho antibody and HRP-labeled anti-rabbit Ig G. Substrate: Porcine tublin. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — ADRBK1

Entrez GeneID	156
Protein Accession#	AAA58391.1
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](#)