



Full-Length

# ADRBK1 (Human) Recombinant Protein

Catalog # P5495 Size 5 ug

### Applications



#### Result of activity analysis

Result of activity analysis

Specification	
Product Description	Human ADRBK1 (AAA58391.1, 1 a.a 689 a.a.) full-length recombinant protein with GST tag expre ssed 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



### **Product Information**

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 lg G. Substrate: Porcine tublin. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCI, 150 mM NaCI, 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 GenelD	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 ubiqui tous cytosolic enzyme that specifically phosphorylates the activated form of the beta-adrenergic a nd related G-protein-coupled receptors. Abnormal coupling of beta-adrenergic receptor to G prot ein 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