

Active Recombinant Human ADRBK1 Protein, GST-tagged

Cat. No. ADRBK1-383H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ADRBK1 (AAA58391.1, 1 a.a. - 689 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
Description	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, Jul 2008]
Form	Liquid
Bio-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 IgG. Substrate: Porcine tublin. ATP: 100 uM.
Molecular Mass	106 kDa
Purity	55 % by SDS-PAGE/CBB staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)

GENE INFORMATION

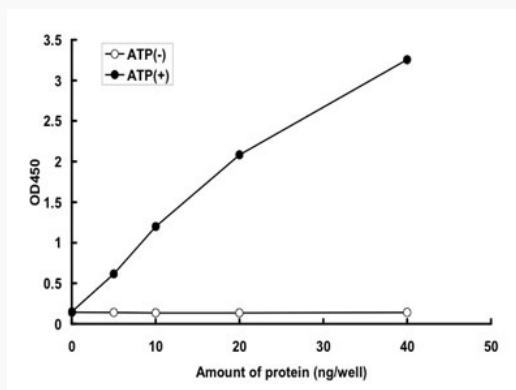
Gene Name	ADRBK1 adrenergic, beta, receptor kinase 1 [Homo sapiens]
Official Symbol	ADRBK1
Synonyms	ADRBK1; adrenergic, beta, receptor kinase 1; beta-adrenergic receptor kinase 1; BARK1; GRK2; beta-ARK-1; G-protein coupled receptor kinase 2; BETA-ARK1; FLJ16718;
Gene ID	156
mRNA Refseq	NM_001619
Protein Refseq	NP_001610
MIM	109635
UniProt ID	P25098

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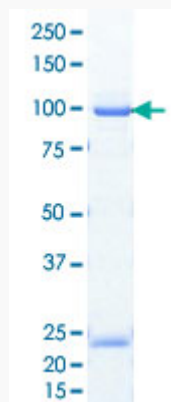
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Result of activity analysis



Quality Control Testing:



Loading 1 ug protein in SDS-PAGE

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