

Active Recombinant Human ADRBK2 Protein, GST-tagged

Cat. No. ADRBK2-385H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADRBK2 (CAB45657.1, 1 a.a. - 688 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
Description	The beta-adrenergic receptor kinase specifically phosphorylates the agonist-occupied form of the beta-adrenergic and related G protein-coupled receptors. Overall, the beta adrenergic receptor kinase 2 has 85% amino acid similarity with beta adrenergic receptor kinase 1, with the protein kinase catalytic domain having 95% similarity. These data suggest the existence of a family of receptor kinases which may serve broadly to regulate receptor function. [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	107 kDa
Purity	51 % by SDS-PAGE/CBB staining

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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

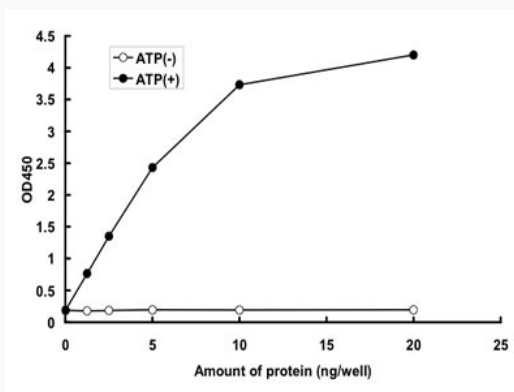
Gene Name	ADRBK2 adrenergic, beta, receptor kinase 2 [Homo sapiens]
Official Symbol	ADRBK2
Synonyms	ADRBK2; adrenergic, beta, receptor kinase 2; beta-adrenergic receptor kinase 2; BARK2; GRK3; beta-ARK-2; G-protein-coupled receptor kinase 3;
Gene ID	157
mRNA Refseq	NM_005160
Protein Refseq	NP_005151
MIM	109636
UniProt ID	P35626

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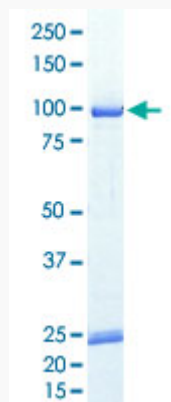
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Result of activity analysis



Quality Control Testing:



Loading 1 ug protein in SDS-PAGE

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