

Recombinant Human GRK2 (N-GST tag)

Cat No:HR2R1470

For research use only

Overview

Quantity	10 ?g
Gene Symbol	GRK2
Gene ID	N/A
Accession	NM_001619
Alternative Name	ADRBK1; BARK1; BETA-ARK1, FLJ16718
Species	Human
Source	
Description	GRK2 or ADRBK1 is a ubiquitous cytosolic enzyme that specifically phosphorylates the activated form of the beta- adrenergic and related G protein-coupled receptors. GRK2 phosphorylates the beta-2-adrenergic receptor and appears to mediate agonist-specific desensitization. Abnormal coupling of beta-adrenergic receptor to G protein is involved in the pathogenesis of the failing heart . RAF kinase inhibitor protein RKIP is a physiologic inhibitor of GRK2 . After stimulation of G protein-coupled receptors, RKIP dissociates from its known target, RAF1 to associate with GRK2 and block its activity.
Functions	The specific activity of GRK2 was determined to be 5.3 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	102
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.