

Recombinant Human GRK3 (N-GST tag)

Cat No:HR2R1471

For research use only

Overview

Quantity	10 ?g
Gene Symbol	GRK3
Gene ID	N/A
Accession	NM_005160
Alternative Name	ADRBK2; BARK2
Species	Human
Source	Insect cells
Description	GRK3 or beta-adrenergic receptor kinase 2 specifically phosphorylates the agonist-occupied form of the beta-adrenergic and related G protein-coupled receptors. GRK3 is a member of the receptor kinase family that broadly serves to regulate receptor function . GRK3 has 85% amino acid similarity with beta adrenergic receptor kinase 1, with the protein kinase catalytic domain having 95% similarity. GRK3 is highly expressed in lung, heart, and adipose tissue . Single nucleotide polymorphisms (SNPs) in the promoter region of GRK3 have been associated with bipolar disorder.
Functions	The specific activity of GRK3 was determined to be 6 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	84
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.