

Recombinant Human GRK6 (N-GST tag)

Cat No:HR2R1473

For research use only

Overview

Quantity	10 ?g
Gene Symbol	GRK6
Gene ID	N/A
Accession	BC017272
Alternative Name	GPRK6; FLJ32135
Species	Human
Source	Insect cells
Description	GRK6 is a Ser/Thr protein kinase and a member of the G protein-coupled receptor kinase subfamily. GRK6 is present in all tissues with strongest expression in placenta and skeletal muscle. GRK6 can phosphorylate proteins such as rhodopsin, ADRB2 and the leukotriene B4 receptor BLT1 . GRK6 phosphorylates G protein-coupled dopamine receptors, thereby regulating their activity and mediating desensitization of the receptors. GRK6 knockout mice showed supersensitivity to the locomotor-stimulating effects of psychostimulants, including cocaine and amphetamine .
Functions	The specific activity of GRK6 was determined to be 11 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	93
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.