

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. |