

Recombinant Human G Protein-Coupled Receptor Kinase 6, GST-tagged

Cat. No. GRK6-1020H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human GRK6 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 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.
Applications	Kinase Assay; Western Blot
Molecular Weight	93 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, PH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
Purity	>80%

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Concentration	0.1 ug/ul
Specific Activity	11 nmol/min/mg
Sequences	Full length
Storage	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.
Pathways	CXCR4-mediated signaling events; Chemokine signaling pathway; Chemokine signaling pathway; Endocytosis; Myometrial Relaxation and Contraction Pathways

GENE INFORMATION

Gene Name	GRK6 G protein-coupled receptor kinase 6 [Homo sapiens]
Official Symbol	GRK6
Synonyms	GRK6; G protein-coupled receptor kinase 6; GPRK6; FLJ32135; G protein-coupled receptor kinase 6; OTTHUMP00000223834; OTTHUMP00000223835; OTTHUMP00000223836; OTTHUMP00000231482; OTTHUMP00000231483; g protein-coupled receptor kinase GRK6
Gene ID	2870
mRNA Refseq	NM_001004105
Protein Refseq	NP_001004105
MIM	600869

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UniProt ID	P43250
Chromosome Location	5q35
Function	ATP binding; G-protein coupled receptor kinase activity; nucleotide binding; signal transducer activity
PDBrendering based on 2acx.	