

GRK6 recombinant protein

GRK6, Active

CATALOG # AAA73578	HOST Sf9 insect cells	APPLICATIONS Western Blot
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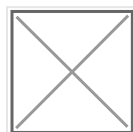
PRODUCT SYNONYMS

GRK6; Active; GPRK6; FLJ32135; GRK6 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for GRK6 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for GRK6 recombinant protein	Full-length recombinant human GRK6 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC017272. 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 (1). 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 (2).
Product Categories/Family for GRK6 recombinant protein	Protein Kinases ; Angiogenesis ; Cancer ; Cardiovascular Disease ; ERK/MAPK Pathway ; Invasion/Metastasis ; Metabolic Disorder ; Neurobiology ; Ser/Thr Kinases

References	1. Gaudreau, R. et al: Threonine 308 within a putative casein kinase 2 site of the cytoplasmic tail of leukotriene B(4) receptor (BLT1) is crucial for ligand-induced, G-protein-coupled receptor-specific kinase 6-mediated desensitization. J. Biol. Chem. 277: 31567-31576, 2002. 2. Gainetdinov, R R. et al: Dopaminergic supersensitivity in G protein-coupled receptor kinase 6-deficient mice. Neuron 38: 291-303, 2003.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16878129
NCBI GeneID	2870
Molecular Weight	64,294 Da
NCBI Official Full Name	Homo sapiens G protein-coupled receptor kinase 6, mRNA
NCBI Official Synonym Full Names	G protein-coupled receptor kinase 6
NCBI Official Symbol	GRK6
NCBI Official Synonym Symbols	GPRK6
NCBI Protein Information	G protein-coupled receptor kinase 6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/grk6-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73578>