

Bioactive

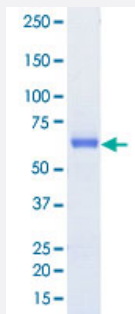
Full-Length

# GRK6 (Human) Recombinant Protein

Catalog # P5556

Size 5 ug

## Applications



## Result of activity analysis

Result of activity analysis

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## Specification

<b>Product Description</b>	Human GRK6 (NP_001004105.2, 1 a.a. - 560 a.a.) full-length recombinant protein expressed in baculovirus infected Sf21 cells.
<b>Host</b>	insect
<b>Theoretical MW (kDa)</b>	65
<b>Form</b>	Liquid
<b>Preparation Method</b>	Baculovirus infected insect cell (Sf21) expression system
<b>Purification</b>	Glutathione sepharose chromatography
<b>Purity</b>	96 % by SDS-PAGE/CBB staining

<b>Activity</b>	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: Modified PLKtide. ATP: 100 uM.
<b>Quality Control Testing</b>	Loading 1 ug protein in SDS-PAGE
<b>Storage Buffer</b>	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — GRK6

<b>Entrez GeneID</b>	<a href="#">2870</a>
<b>Protein Accession#</b>	<a href="#">NP_001004105.2</a>
<b>Gene Name</b>	GRK6
<b>Gene Alias</b>	FLJ32135, GPRK6
<b>Gene Description</b>	G protein-coupled receptor kinase 6
<b>Omim ID</b>	<a href="#">600869</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates the activated forms of G protein-coupled receptors thus initiating their deactivation. Several transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]
<b>Other Designations</b>	-

## Pathway

- [Chemokine signaling pathway](#)
- [Endocytosis](#)

## Disease

- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)