

Bioactive

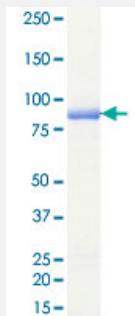
Full-Length

GRK7 (Human) Recombinant Protein

Catalog # P5557

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human GRK7 (NP_631948.1, 1 a.a. - 553 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	89
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	97 % by SDS-PAGE/CBB staining

Activity	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.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — GRK7

Entrez GeneID	131890
Protein Accession#	NP_631948.1
Gene Name	GRK7
Gene Alias	GPRK7
Gene Description	G protein-coupled receptor kinase 7
Omim ID	606987
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. It is specifically expressed in the retina and the encoded protein has been shown to phosphorylate cone opsins and initiate their deactivation. [provided by RefSeq]
Other Designations	G-protein-coupled receptor kinase 7

Pathway

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

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)