GRK5 recombinant protein

GRK5, Active

CATALOG #	HOST	APPLICATIONS
AAA73577	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

GRK5; Active; GPRK5; GRK5 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 GRK5 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 GRK5 recombinant protein	Recombinant full-length human GRK5 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_005308. GRK5 is a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family (1). It phosphorylates the activated forms of G protein-coupled receptors thus initiating their deactivation. GRK5 plays a role in regulating the motility of polymorphonuclear leukocytes (PMNs). Desensitization of G protein-coupled receptors regulates the number of polymorphonuclear leukocytes (PMNs), as well as their motility and ability to stop upon contact with pathogens or target cells, and this desensitization is mediated by GRK5 (2).
Product Categories/Family for GRK5 recombinant protein	Protein Kinases; Angiogenesis; Cancer; Cardiovascular Disease; ERK/MAPK Pathway; Invasion/Metastasis; Metabolic Disorder; Neurobiology; Ser/Thr Kinases
References	1. Haribabu, B. et al: Identification of additional members of human G-protein-coupled receptor kinase multigene family. Proc. Nat. Acad. Sci. 90: 9398-9402, 1993. 2. Fan, J. et al: Toll-like receptor-4 (TLR4) signaling augments chemokine-induced neutrophil migration by modulating cell surface expression of chemokine receptors. Nature Med. 9: 315-321, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_005308
Molecular Weight	~95kDa

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/grk5-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73577