



Recombinant Rat G protein-coupled receptor kinase 5 (Grk5)

Product Code	CSB-BP009926RA
Abbreviation	Grk5
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q62833
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MELENIVANT VLLKAREGGG GKRKGKSKKW KEILKFPIN QCEDLRRTID RDYYSLCDKQ PIGRLLFRQF CETRPGLECY IQFLDLVAEY EITPDENLGA KGKEIMTKYL SPKSPVFIAQ VGQDLVSQTE KLLQSPCKE LFSACAQSVH DYLKGDPFHE YLDSMYFDRF LQWKWLERQP VTKNTFRQYR VLGKGGFGEV CACQVRATGK MYACKRLEKK RIKKRKGESM ALNEKQILEK VNSQFVVNLA YAYETKDALC LVLTIMNGGD LKFHIYNMGN PGFEEERALF YAAEILCGLE DLHRENTVYR DLKPENILLD DYGHIRISDL GLAVKIPEGD LIRGRVGTVG YMAPEVLNNQ RYGLSPDYWG LGCLIYEMIE GQSPFRGRKE KVKREEVDRR VLETEEVYSP KFSEEAKSIC NMLLTKDSKQ RLGCQEEGAA EVKRHPFFRN MNFKRLEAGM LDPPFVPDPR AVYCKDVLDI EQFSTVKGVN LDHTDDDFYS KFSTGSVPIP WQNEMIETEC FKELNVFGPN GTLSPDLNRS QPPEPPKKGL FHRLFRRQHQ NNSKSSPTPK TSCNHRINSN HINSNSTGSS
Source	Baculovirus
Target Names	Grk5
Protein Names	Recommended name: G protein-coupled receptor kinase 5 EC= 2.7.11.16 Alternative name(s): G protein-coupled receptor kinase GRK5
Expression Region	1-590
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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. It has also been shown to play a role in regulating the motility of polymorphonuclear leukocytes (PMNs).

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.