



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

<b>Product Code</b>	CSB-EP009926RA
<b>Abbreviation</b>	Grk5
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q62833
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MELENIVANT VLLKAREGGG GKRKGKSKKW KEILKFPHIN QCEDLRRTID RDYYSLCDKQ PIGRLLFRQF CETRPGLECY IQFLDLVAEY EITPDENLGA KGKEIMTKYL SPKSPVFIQ 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 QPPEPPKGL FHRLFRRQHQ NNSKSSPTPK TSCNHRINSN HINSNSTGSS
<b>Source</b>	E.coli
<b>Target Names</b>	Grk5
<b>Protein Names</b>	Recommended name: G protein-coupled receptor kinase 5 EC= 2.7.11.16 Alternative name(s): G protein-coupled receptor kinase GRK5
<b>Expression Region</b>	1-590
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</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. 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**

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