



Recombinant Rat G protein-coupled receptor kinase 4 (Grk4)

Product Code	CSB-MP009925RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P70507
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MELENFMANT LLLKARQGFT KKTGRSKKWR ELLKLPPVSM CSDLRHSIEK DFSSLCDQQP IGRLFRQFC NTKPDLKRCI EFLDAAAEEY VTIIEEQREF GLSIYSRFFK ENSEVSLPQI PPDLVKECKC NLKQSSPSQN VFQDCAGVIY KYLSEKPFEE YQESTYYNRF LQWKWLERRP VTKNTFRQYR VLGKGGFGEV CACQVRATGK MYACKKLEKK RIKKRKGEAM ALNEKRILEK LHSRFVVSLA YTYETKDALC LVLTIMNGGD LKYHIYNLGN PGFEEQRAVF YAAELCCGLE DLQRERIVYR DLKPENILLD DHGHIRISDL GLALEIPEGE MVRGRVGTVG YMAPEIISHE KYTFSPDWWG LGCLYEMIA GHSPFRKYKE KVNREEMERR VKTETEEYSE RFSENAKSIC SMLLTKDPSK RLGCQSDGAS AVKQHPIFKD INFSRLEANM LDPPFCPDPE AIYCKDILDI GQFSVVKGVN LDTNDEIFYT QFATGCVTIP WQNEMIESGC FKDLNEYEDK GLSPLEKHKI CSCILRPKRN FFHRLFRRRAA CLNIAHSEER EPTEH
Source	Mammalian cell
Target Names	Grk4
Protein Names	Recommended name: G protein-coupled receptor kinase 4 EC= 2.7.11.16 Alternative name(s): G protein-coupled receptor kinase GRK4
Expression Region	1-575
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 its deactivation. This gene has been linked to both genetic and acquired hypertension.
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.