



# Recombinant Human Glucokinase regulatory protein (GCKR)

<b>Product Code</b>	CSB-BP622767HU
<b>Abbreviation</b>	GCKR
<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>	Q14397
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MPGTKRFQHV IETPEPGKWE LSGYEAAPVI TEKSNPLTQD LDKADAENIV RLLGQCDAEI FQEEGQALST YQRLYSESIL TTMVQVAGKV QEVLKEPDGG LVVLSGGGTS GRMAFLMSVS FNQLMKGLGQ KPLYTYLIAG GDRSVVASRE GTEDSALHGI EELKKVAAGK KRVIVIGISV GLSAPFVAGQ MDCCMNNTAV FLPVLVGFNP VSMARNDPIE DWSSTFRQVA ERMQKMQEKK KAFVLNPAIG PEGLSGSSRM KGGSATKILL ETLLAAHKT VDQGIAASQR CLLEILRTFE RAHQVTYSQS PKIATLMKSV STSLEKKGHV YLVGWQTLGI IAIMDGVCEI HTFGADFRDV RGFLIGDHSD MFNQKAELTN QGPQFTFSQE DFLTSLPPL TEIDTVVFIF TLDDNLTEVQ TIVEQVKEKT NHIQALAHST VGQTLPIPLK KLFPSIISIT WPLFFFEYEG NFIQKFQREL STKWVLTNTVS TGAHVLLGKI LQNHMLDLRI SNSKLFWRAL AMLQRFSGQS KARCIESLLR AIHFPQPLSD DIRAAPISCH VQVAHEKEQV IPIALLSLF RCSITEAQAH LAAAPSVCEA VRSALAGPGQ KRTADPLEIL EPDVQ
<b>Source</b>	Baculovirus
<b>Target Names</b>	GCKR
<b>Protein Names</b>	Recommended name: Glucokinase regulatory protein Short name= Glucokinase regulator
<b>Expression Region</b>	1-625
<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 protein belonging to the GCKR subfamily of the SIS (Sugar ISomerase) family of proteins. The gene product is a regulatory protein that inhibits glucokinase in liver and pancreatic islet cells by binding non-covalently to form an inactive complex with the enzyme. This gene is considered a susceptibility gene candidate for a form of maturity-onset diabetes of the



young (MODY).

---

**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.