

Product datasheet for **RN210603**

Gckr (NM_013120) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gckr (NM_013120) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gckr
Synonyms:	GLRE
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN210603 representing NM_013120
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAGGCACCAAACGATATCAGCATGTGATCGAGACCCTGAGCCTGGTGAATGGGAGTTGTCAGGGT
 ATGAAGCGGCTGTGCCAATCACAGAGAAATCCAACCCACTGACCCGAAACCTGGACAAAGCAGATGCAGA
 GAAAATTGTCAAACCTGCTGGGGCAGTGTGATGCTGAGATATTCCAGGAGGAGGGGAGATTGTGCCACC
 TACCAGCGACTATACAGCGAATCAGTTCTGACCACCATGTTGCAAGTGGCTGGAAAAGTCCAGGAAGTTC
 TGAAGGAGCCAGATGGGGTCTGGTAGTGTGAGTGGAGGGGAAACCTCTGGTCGATGGCATTCTCAT
 GTCTGTGCTTTCAACCAGCTGATGAAAGGCTGGGACAAAAGCCTCTTTACACCTACCTCATTGCAGGA
 GGTGACAGGTCTGTTGTGGCCTCTCGTGAACAGACAGAAGATAGCGCCCTACACGGGATCGAGGAGCTGA
 AGAAGGTGGCTGCTGGGAAGAAGAGAGTGGTCGTCATAGGCATCTCTGTGGGACTCTCTGCGCCCTTGT
 GGCAGGTGAGTGGACTACTGCATGGATAACACAGCCGCTTCTTCCCGGTTCTGGTTGGCTTCAATCCA
 GTGAGCATGGCCAGAAATGACCCATTGAAGACTGGAGATCAACATTCGGCAAGTGGCAGAGCGGATGC
 AAAAGATGCAGGAGAAACAGGAAGCTTTTGTGCTCAATCCTGCCATCGGGCCCGAGGGGCTCAGCGGCTC
 TTCCCGAATGAAAGGTGGAGGTGCCACCAAGATTCTACTGGAAACCTGCTACTAGCAGCCATAAGACT
 GTGGACCAGGGTGTGTGTCCTCTCAAAGATGCCTTCTGGAAATCCTGAGGACATTTGAGCGGGCTCATC
 AGGTGACCTACAGTCAAAGTTCAAAATGGCCACGCTGATGAAACAAGTCGGCATCAGCCTGGAGAAGAA
 AGGCCGAGTCACTTGGTTGGCTGGCAGACTCTCGGCATCATTGCCATTATGGACGGAGTAGAGTGCATC
 CACACTTTTGGTGCTGATTTCCAAGATATCCGTGGCTTTCTTATTGGTGACCACAGTGCATGTTAACC
 AGAAGGATGAACACCAACAGGGTCCCAGTTCACCTTCTCCAGGATGACTTCTGACTTCCATCCT
 GCCATCCCTCACGGAGACTGACACCGTGGTCTTCATTTTTACCCTGGATGATAACCTCACAGAAGTACAG
 GCCCTGGCAGAAAGAGTGAGAGAGAAGTCCAGAACATCCAGGCCCTGGTGCACAGCACTGTGGGGCAGT
 CCTTGGCCGCCCTCTAAAGAACTCTTCCCTCACTCATCAGTATCACGTGGCCACTTCTTTTCTCGA
 TTATGAAGGGACCTATGTTCAGAAGTTCAGCGTGAGTTAAGCACCAAGTGGGTGTTGAATACAGTGAGT
 ACTGGGGCCCATGACTGCTGGGAAGATCCTACAGAACCACATGCTGGACCTCCGCATCGCAACTCCA
 AGCTCTTCTGGAGGGCGCTGGCCATGTTGCAGAGGTTCTCTGGACAGTCCAAGGCTCGTGCATTGAGAG
 CCTCTTCAAGCAATCCACTTCTCAACCAGTGTGGATGATGTCGGCGCCGCTCCCATCTCTGCCAC
 GTCCAGGTTGCCACGAGAAGGAAAAGGTGATCCCCACAGCCTTGCTGAGCCTCTACTCCGGTGTCTCA
 TCTCTGAGGCTAAGGCAGCCTGTCTGCAGCTTCTCAGTCTGTGAGGTTGTTAGGAGCGCCCTCTCTGG
 GCCGGTCTAGAAGCGCAGCACGCAAGCCCTGAAGACCCTCCCGCTGTGGGACCCTGAAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_013120
- Insert Size:** 1884 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_013120.2](#), [NP_037252.1](#)

RefSeq Size: 2296 bp

RefSeq ORF: 1884 bp

Locus ID: 25658

UniProt ID: [Q07071](#)

Cytogenetics: 6q14

Gene Summary: inhibits the activity of glucokinase; plays a role in glucose metabolism and homeostasis [RGD, Feb 2006]