

Product datasheet for **RN203556**

Gk2 (NM_001004077) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gk2 (NM_001004077) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gk2
Synonyms:	Gk-rs2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203556 representing NM_001004077
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGACTCCAAGAAACCCCTGAGGAGCCGTTGGTGGGAGCGGTGGTCCAGGGAACCACTCCACTC
GCTTTCGGTTTTCAATCCCAAAACAGCAGAAGTCTAGTCGGCAGTATCAGGTGGAAGTACACAAGAGTA
TCCGAAAAGAAGGATGGGTGGAGGAAGATCCCAAGGAAATCCTTCAGTCTGTCTATGAATGCATAGCGAAA
ACTTGCGAGAACTTACTGAGGCGAACATTGATACTTCCAAGATTAAGCTATCGGCGTGAGTAACCAGC
GGGAAACCACTGTGGTCTGGGACAAGTTCACGGGAGAGCCCTATAACAATGCCGTGGTGTGGCTTGTCT
CAGAACCAGTCTACTGTGGAGAGTCTCAATAAGAAAATCCAGGGAATAGCAACTTTGTCAAGTCTAAG
ACAGGCCCTCCACTTAGCACTTACTTCAGTGTGTGAAACTGCGGTGGATGCTGGACAACCTAAGACCCA
TTCAAAGGCTGTTGAGGAAGACAGAGCCCTATTTGGAACCATCGACTCGTGGCTCATCTGGTGTATGAC
CGGAGGAGTCAACGGAGGCATCCACTGTACCGATGTAACAAATGCGAGCAGAACGATGCTTTTCAACATC
CACTCTTTGGAATGGGATAAAGAACTCTGTAAATTTTTGAAATTCCAATGAGCATCCTCCCAAATGTAC
GCAGTTCTCCGAGATCTACGGCCAGATGACATCCGGGGCTTTGGAAGGCGTGCCAAATATCCGGATGTT
GGGGGATCAGTCTGCTGCTTTAGTGGGACAAATGTGCTTCCAGGAAGGTCAAGCCAAAAACAGTACGGA
ACCGGATGTTTTTACTATGCAATACAGGCCAGAAATGTGATTTTTCTGAACATGGCCTTCTGACTACAG
TGGCTTACAACTAGGCCAAAAAAGCCAGCTTTTTATGCCTTAGAAGGCTCTGTTGCTATAGCTGGTGC
TGTTATTCGCTGGCTAAGAGACAATTCGAACCTATAACGTCCTCGGGGAAGTTGAAGATCTTGCAAGA
CAGGTAGGCACGGCTACGGCTGCTACTTTGTCCAGCCTTTTCTGGGTTGTATGCACCTTACTGGGAAC
CCAGTGAAGAGGGATAATCTGTGGTCTCACTCAGTTCACCAACAAATGCCATATTGCCTTTGCTGCATT
AGAAGCCGTTTTGTTTCCAAACCCGAGAGATTGTGGATGCCATGAACCGCGACTGTGGGATCCACTCAGT
CATTTGCGGGTAGATGGAAGAATGACCAACAACAAGATTCTCATGCAGCTCCAGGAGATATTCTGCACA
TTCCGGTAGTTAAATCTGTTATGCCGAAACCACAGCCCTGGGAGCAGCCATGGCAGCCGGAGCTGCAGA
AGGGATAGATGTTGGAGTATTGAACCCGAAGACTTGTCTTCAATGTTAATGGAACGATATGAACCAAA
ATCCAAGCCACAGAGAGTAAATTCGTTTTTCAACATGGAAGAGAGCAGTATGAAGTCAATGGGTTGGG
TTACAGCCAAGGATCCTGAAAGTAAAGTAAACCTGTCTTCGCTTGCCTGCCCTTGGGGTTTTTATAGT
GAGTAGCATGACGTTATAATTGGAGCAAGGTGTATCTCATACGCTGAAGATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001004077

Insert Size: 1665 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_001004077.1](#), [NP_001004077.1](#)

RefSeq Size: 1876 bp

RefSeq ORF: 1665 bp

Locus ID: 289481

Cytogenetics: 14p22