

Product datasheet for **MC200367**

Gk (NM_008194) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Gk (NM_008194) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Gk |
| Synonyms: | D930012N15Rik; Gyk |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC003767 sequence for NM_008194
 CTTTCAGCAGAAGCGCGCTGCTTTGCCCTCCGCTGTCCCTGCTCCGCCCTCCGAGCCCTCCACAGTCACC
 CCGGAGACCAGCCGTGTTAAGCTCTCTGCTCTGAAGCTGACTGACTTCCATGGCAGCCGCGAAGAAAGCA
 GTTCTGGGGCCATTGGTGGGAGCAGTGGACCAGGGTACCAGCTCGACACGTTTTTTGGTTTTCAATTCAA
 AAACAGCTGAACCTTCTTAGTCATCATCAAGTAGAAATAAACAGGAATCCCAAGAGAAGGATGGGTAGA
 ACAAGACCCGAAGGAAATCTGCAGTCTGTTTATGAGTGTATAGAGAAAACGTGTGAGAAAACCTGGACAG
 CTCAATTTGATATTTCCAACATCAAAGCCATTGGTGTGACGCAACCAGAGGGAAACCACAGTAGTCTGGG
 ACAAGGTACCGGAGAGCCTCTCTATAATGCCGTGGTGTGGCTTGACCTAAGAACCAGTCTACTGTTGA
 GAACCTTAGTAAAAGAATTCCAGGAAATAAATACTTTGTCAAGTCCAAGACAGGCCTTCCACTTAGCACG
 TATTTTCAGTGCAGTGAACTTCGTTGGCTCCTTGACAACGTGAAAAAGGTCCAAGAGGCTGTTGAAGAAA
 ATAGAGCTCTTTTGGGACCATTGATTCATGGCTTATTTGGAGTTAACAGGAGGAATCCATGGGGTGT
 CCACTGTACAGATGTAACAAATGCAAGCAGGACGATGCTTTTAAACATTCATTCTTTGGAATGGGATAAA
 GAGCTCTGCGAATTTTTGGAATCCAATGGAATTTCCCAACGTTCCGAGTCTTCTGAGATCTATG
 GCCTAATGAAAGCTGGGGCCTTGAAGGTGTACCAATATCTGGGTGTTTGGGGACCAGTCTGCTGCTTT
 GGTGGGACAAATGTGCTCCAGGATGGACAGGCCAAAAACACGTATGGAACAGGGTCTTCTTATTGTGC
 AACACGGGCCATAAGTGTGATTTTTCTGAACATGGCCTCCTGACAACCGTAGCATATAAACTTGGCAGAG
 ACAAACCTGTGTATTATGCGTTGGAAGGTTCCGTGGCTATAGCTGGTGTGTAATCCGCTGGCTAAGAGA
 CAACCTTGAATTATTAAGTCTCTGAGGAAATGAAAACTTGCTAAGGAAGTAGGTAAGTCTTATGGC
 TGCTACTTCGTTCCAGCATTTTCAGGGTATATGCGCCTTATTTGGGAGCCAGTGAAGAGGGATCATCT
 GTGGACTCACTCAGTTCACCAATAAATGTCATATCGCTTTTGTGCACTAGAAGCTGTTTGTTCACAAAC
 CCGAGAGATTTTGGATGCCATGAATCGCGACTGTGGAATCCACTCAGTCATTTACAGGTAGATGGAGGA
 ATGACCAGCAATAAAATCTTATGCAGCTACAAGCAGACATTCTGTATATTCCAGTAGTAAACCCCTCCA
 TGCTGAAACAACACTGCACTAGGCGCTGCCATGGCAGCTGGGGCTGCAGAGGGGGTGGTGTGGAGTCT
 TGAACCTGAGGATTTGTGAGTGTGCAATGAGCGGTTTGAACCTCAGATCAATGCTGAAGAAAGCGAA
 ATCCGTTACTCCACATGGAAGAAAGCTGTGATGAAGTCAATTGGTTGGTTACAACCTCAGTCTCCAGAAA
 GTGGTATCCATAAAATAACCACCTCACGGATTTCCAAGATGCAAGCTTTTTAATGTGATATGAAATC
 TGACTATTCTGTCTCATAGTATAATGATGCTATTATAGACTCTGATTTTTTTTATAAGCCACTGGCTGC
 ATGATCCTTAAGCAGACCTATGACTTGAAATAAAGAAAGTGCAGCAGAAAGAATCCTCCAGAAACATTT
 AATTTTTTTTTAACATTGACAGTTAAGATCGGGTCACTACCTTTGAGGCTGACCTCTGCCTCCACTGTC
 ATGATGCTTACACTATTTCCCGTTAAGGTCTAGGGTATTTTGTATCCTGTCTATTGAAATGTGCCATTC
 AGTATATTCAGATGCTAGTGGATTACACATGTTTGGAGGAGGTTGTTACTAACCTGTTCAAAATGAGT
 GGTCTTCTGCTTGTGCTTTTAAACAGCTCAGATGCTTCTTTTCTATATATTAGAAGGCCACAACATTA
 CTGGATATTTCAATGGAACATCTAAAGAATTGTTGGATAATGATTTGCTATTCTTGTGGCTTAGACAT
 TTTCTGTACAGTGTGGCCAAAATCAACCTTGTGAGGTGTTTTACACTGTCCACTAACTACCATAGCTT
 TCTGTCTGGCTCTTACAGGATAGAACACTTTCTTTTCTGCTTTTTTTTCATTTCTCCTTTTTATTTTT
 TATTCTGTATGTATAACATACATGCCTATATATTTTATGCTGAGAGTAACCCATTTATAAATTAAGAG
 CACATTATTTCAATAAGTTATAAGAGGGCTGGTCTTAAGTGGACTACTATGTATATAAATTTGGGGGAGG
 GCAAGCTGTATACATTTTTGGGCAACGGTTATGCATATTTTACCAGAAGAAAAATTTCTTATAAAATC
 AAACATTTGAACTTAAGTATGTATTGATCAATTAATAATGACTATATTGTAATTTCAACTATATTTCT
 TATACTTACCATTTAATTATCTCAGCTGGAAGAAAAGCAACTGTGGCATGTAACAGTAAATACTCTTCT
 CAAACATGATTCTAGTCCAAATAAAATTTTTCTTTGAATTGATGTTTTCCATATTTGAGCTCCTATTGA
 AGAATTATCAAATTTAAAAGCTAAGGGGAAAAATATGTGTGAATAAAGCCAATAATGCCTTTTAAATGTT
 ATTACCCATTAATAAGATGTTCTTATTTTCTGGTATGATAGAAAATATGTCTACTTAATAACTGACAAA
 AAAAAACAAGTATCATTGCAAATGCCTCACAGTATAACCAGTAACCTTCTCAAATATTTAGAAGGATTGG
 TTATAACTCATTAACTAGCTTCTCAACATCAATTTTAAATGTATTTGTTTTATAGTAAAAAAAAAAAAAAA AAA

Restriction Sites: RsrII-NotI
ACCN: NM_008194
Insert Size: 1575 bp

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| 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: | <ol style="list-style-type: none">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: | BC003767 , AAH03767 |
| RefSeq Size: | 3083 bp |
| RefSeq ORF: | 1575 bp |
| Locus ID: | 14933 |
| UniProt ID: | Q64516 |
| Cytogenetics: | X 39.32 cM |
| Gene Summary: | <p>Key enzyme in the regulation of glycerol uptake and metabolism.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) lacks two alternate in-frame exons in the coding region compared to variant 4. The encoded isoform (1) is shorter than isoform 4.</p> |