

## Product datasheet for **MC223561**

### Gucy2g (NM\_001081076) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gucy2g (NM\_001081076) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gucy2g  
**Synonyms:** 2410077I05Rik; GC-G  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223561 representing NM\_001081076  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTTCTAGGACACGCTCTGAGTCTCCACTAGAACCTAGGCTCTATGCTGGGGCAGGAAGCCGTGCAG  
ATCATCCATCTCTGGTTTTGATGCTGTCTGTCGTTATGCTAGTGACTTGTCTCGAAGCTGCTAAGCTCAC  
CGTGGGGTTCCATGCCCCCTGGAACATCTCTCATCCATTTAGTGTCAAAGGTTGGGGCAGGACTCCAG  
ACTGTTGTGGACAAGCTCAACTCAGAGCCAGTGGGTCTTGGGAACGTGAGCTGGGAGTTCACCTTACACCA  
ATTC AACATGCAGTGCCAAGGAGTCCCTTGC GGTTTTTCATCGACCAGGTCCAGAAAAGAACACATTTCTGC  
TCTGTTTGGACCAGCATGCCAGAAGCAGCAGAGGTTATTGGTTTATTGGCCTCTGAGTGGAAACATCCCT  
TTGTTTGA CTTCGTTGGACAAAATGGCAGCCCTGAAAGACCACTTCTGGTGTGACACCTGCGTGACACTTG  
TGCCACCCAAGCAGGAAATCAGTGCGGTGCTTCGGGAAAGCCTGCGGTACCTGGGCTGGGAACATATCGG  
GGTGTTTGGAGGTTCTCTGCAGATTCCTCCTGGGAACAAGTGGATGAGATGTGGGGGCTGTTGAGGAT  
GGACTCCAGTTCATTTCAACATCACTGCCAGCATGAGGTACAACAGCAGCAGCTCAGACCTTCTGCAGG  
AAGGCCTCAGGAACATGTCGTATGTCGCCAGGTCATCATCTAACTGCAGCTCGGAGGATGCAAGGCCG  
CATTCTGCAGGCTGCAGTGGACCTGGGACTCGACACTGGAGAATTCGTTTTTCATCCTCTTGCAGCAGCTG  
GAGGACAGTTTTTGAAGGAAGTACTGACAAAAGGACAAGGTGATACGCTTTCCCAAAGTCTATGAGTCGG  
TGTTTCTCATCGCACCCAGCGCTATGGAGGAGGCATTGGAGATGACGGTTCCGGAAGCAAGTCTCCCA  
AGAAGTGAAGGAGGCCACCCTTTCAAAGCTCCATCACCTCAGAGGACCAGGTGAGCCCGTACTCTGCCTAC  
CTGCACGATGCTCTTACTCTACGCTCAGACTGTGGAGGAAATGAGGAAGGCTGAGAAAGACTTCCGGG  
ATGGGCGGCAGCTGATTAGCACCTGAGAGCTGGTCAGGTCACTGCAGGGAATCACCGGTCCTGTGCT  
TTTGGACTCCAGGGGAAAAGGCACGTGGATTACTCCGCTATGCTCTGCAGGAATCTGGAACAGGTCC  
CTTCTCCTCCCTTTCTTATTATGACAGTTTTTCAGAAAGTAATCAGACCCTGGAGGAATGACTCGAACA  
CCTCATGGCCCCATGGCTCCCTTCTGAGTATAAACCTGGCTGTGGATTCATAACGACCTTTGCAAAAC  
GAAGCCACCCACTGTAGCAGGTATGACAGTGACTGTGACTGCTGTGATCCCCACGGTGACGTTCTGGTT  
CTTGCTCGGCAGCTGCCATCACAGGTCTGATGTTATGGAGGTTGAGAGGGAAAGTGCAGAGCCATCCTG



GAGACACCTGGTGGCAGATCCGTTATGACAGCATCACTCTTCTGCCTCAGCACAACTGTCCCACCGAGG  
CACACCTGTGTCAAGACGTAATGTTAGCGATACATCTACTGTGAAGGCTTCTGCAGATTGTGGCTCCTTG  
GTCAAGAGGCACCAGGATGAAGAGCTGTTCTTTGCCCCGTGGGGCTTTACCAGGGAAATCAGGTGGCCC  
TCTGCTATATTGGTGACGAAGCAGAAGCTTGGGTTAAGAAGCCAACTGTGCGGCGGGAAGTCTGCCTGAT  
GTGCGAACTAAAGCATGAAAACATCGTCCCCTTCTTTGGTGTTCACAGAGCCACCTAACATCTGCATC  
GTTACACAGTACTGAAAAAGGAAGTCTCCAGGATGTTATGAGGAACTCCGATCATGATAGATTGGA  
TATTCAGCTCTCCTTTGCGTATGACATAGTCAATGGCTTGTCTGCTGTCATGGGACCCACTGAGGTC  
TCACGGCAACCTGAAACCTTCCAACCTGCCTGGTAGATAGTCACATGCAGCTGAAGCTGTCAGGATTTGGG  
TTGTGGGAGTTCAAGCACGGCAGCACATGGAGGAGCTACAACCAGGAGGCCACAGACCATTTCAGAGCTCT  
ACTGGACAGCCCCAGAGCTGCTGCGGCTTCGGGAGAGTCCCTGTTCTGGCACCCCTCAGGGAGACGTTTA  
CAGCTTTGCCATTCTCCTGAGGGACTTGATCCACCAGCAGGCCACGGGCCCTTTGAGGACCTCGAGGCA  
GCTCCAGAGGAAATCATCAGCCGCATCAAAGACCCCGGGCACCCGTTCCGCTTCGGCCGCTCCTGTTGG  
AGGATAAAGGTGATGGAAGGATTGTGCCCTAGTGAGGGAGTGTGGGATGAATCTCCAGAGCTAAGGCC  
CATCTTCCCTCCATCAAGAAGACGTTACGAGAAGCCAGTCCCAGAGGCCACGTGAGCATCTGGATAGC  
ATGATGGGGAAGCTGAAACGTACGCCAATCACCTGGAGGAAGTGGTAGAGGAGCGGACCCGCGAGTTGG  
TGGCAGAGAAAAGAAAGTGGAGAACTCCTGTCTACCATGTTGCCAAGCTTCGTGGGAGAACAGCTAAT  
AGCCGGAAGTCTGTAGAACCAGAACACTTTGAGTCTGTACCATCTTCTCTGACATCGTGGGGTTC  
ACAAAGCTGTGTTCCCTCAGTCCCCCTGCAAGTGGTGAAGCTCCTCAACGACCTGTACAGCTTGTGTTG  
ACCACACGATACAGAGCCATGATGTATACAAGGTTGAAACCATTGGAGATGCCTACATGGTGGAAGTGG  
GCTCCCCATCCGCAACGGAGCTCAGCATGCCGACGAGATTGCCACCATGGCCCTGCATTTACTCAGTGC  
ACCACCCACTCCAGATCGGGCAGATGCCTGAGGAGAGGCTCAAGCTCCGCATAGGCCTCCACACAGGTC  
CTGTGGTGGCCGGTGTGGTGGGAATCACCATGCCAGGTAAGTGTCTGTTGGAGACACTGTAACATGGC  
ATCCAGGATGAAAGCAGCAGCTTGCCTCCGGATTACGTTTTCCAGAGCACCCGAGGAGCTCTTCTA  
GCAGCAGGGGGTACCATCTGCAAAGAGAGGCACCATTTTCAGTCAAGGGCAAGGGAGAACAGACGACCT  
TCTGGCTGAAAGGCAAAGATGGCTTCCCTGTCCCACTCCCTGAGTTTACGGAGGAAGAAGCTAAAGTTTC  
AGAAATATTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001081076
- Insert Size:** 3303 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\\_001081076.2](#), [NP\\_001074545.1](#)

RefSeq Size:	3889 bp
RefSeq ORF:	3303 bp
Locus ID:	73707
UniProt ID:	<u><a href="#">Q6TL19</a></u>
Cytogenetics:	19 51.18 cM
Gene Summary:	Probably plays a specific functional role in the testis by binding to yet not identified ligand. [UniProtKB/Swiss-Prot Function]