

Product datasheet for **MC221201**

Gucy1a2 (NM_001033322) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gucy1a2 (NM_001033322) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gucy1a2
Synonyms:	6330407118Rik; A230060L24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221201 representing NM_001033322
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCGAAGAAAGATTTCATCCGAGTCTTTGAGCTCTGACTACCTGGAGACCAGCCCGG
 AGGAGGAAGGGGAGTGCCATTGTCCAGGCTCTGCTGGAATGGCAGCCGAGCCCGCCAGGGCCACCTGG
 CTCTAGAGAGGCCGCTAAGGCTGCCACTTCGGCCCCGCTGCCTCTGCCGCCGCGCCTCTGCTGACGTC
 GCCGCGGAGTACAAGAGAGCCCAACGCCGCGGAAGGGTCAACCTGGACTCACTAGGCGAAAGCATCAGCC
 TCCTGACGGCGCCCTTGCTCAGACGATACACATGACTCTCAAGAGGACATTGCAGTATTATGAACACCA
 AGTTATTGGTTATAGGGATGCAGAAAAGAATTTCCACAATATCTCTAAAAGATGCTCCTATGCAGACCAT
 TCCAACAAAGAGGAAATGAAGATGTCTCAGGAATTCCTCAGTGCAGTCTAATGTACTCGGACTGCAGT
 TCCAAGAAATCAAGAAAGATTTGGTGAGGAATCTTTAAGATATGCTTTGATGAGAATGAAAGAGTCTCT
 TCGAGCTGTGGCAGCACATTGCAGGACTTCTCAATGGCTTTGATGCATTGTTAGAACACATTAGGACT
 TCTTTTGGGAAACAGGCCACTCTAGAGTCATCATCTTTCTATGCAAAGAGCTTCTGAAGGTACTCTCA
 TGCTCCATTACTTCCACCCTCACCATACGGTGGCTTTGCAATGCTGGGAATGATTAAGGCTGCAGGAAA
 GAGAATCTATCACTTAAATGTGGAAGTTGAACAAATTGAAAATGAGAACTCTGCTTTGATGGTTCAAAC
 CCAAGCAATTGCAGCTGTCTTACTTTCTTATCAAAGAATGTGAAACTACTCAGATCACAAAGGACAATC
 CACAAGTACTTCCCAAGTTCCTGCAGACCTCAGAATCAGCATCAACACCTTCTGCAGAGCCTTCCCCTT
 CCATTTGATGTTTACTTAACATGGTGGTCTTACGCTTGGGGAGGGCTACGGAAACAACCTTCGATAT
 GACACTCACAGAGCACTGAAGTTTGAGGACTGTTTTGAGATCGTCTCTCCAATGATTAATGCCACCTTTG
 ATAGAGTCTTGTACGATTGTCCACTCCATTTGTATAAGGACCAAGCCGAAAGCTTCTGGTACTGAGAA
 TGAAGATAAGGTGATGGAATCAAAGGACAAATGATCCATGTCCCAGAATCAAGTGCCATTTTGTTTTGG
 GGATCTCCATGTGTGGACAAGTTGGATGAACTGATGGGCCGAGGACTGCATCTCTCAGACATCCCTATTC
 ATGATGCCACCCGAGATGTAATTTTAGTTGGAGAGCAAGCCAAGGCCAGGATGGCTTGAAGAAGAGGAT
 GGATAAATTAAGGCCACATTAGAAAGAACTCACAGGCCCTGGAAGAAGAAAAAAGAACAGTGGAT
 CTGCTGTATTCCATTTCCCTGGTGTGTAGCCAGCAGTTGTGGCAAGGGCAGCAAGTACAGGCCAGAA
 AGTTTGTATGATGCACCATGCTTCTCTGACATTGTGGCTTTACAGCCATATGTGCTCAGTGTACTCC
 CATGCAGGTGATCAGCATGCTCAATGAACTCTACACAAGATTTGATCACCAGTGTGGCTTTTGGATATT
 TACAAGGTGGAACAATAGGGGACGCATACTGTGTGGCATCAGGACTGCACAGGAAAAGCCTATGCCATG
 CAAAGCCATTGCTCTGATGGCCTTAAAGATGATGGAGCTTTCAGAAGAAGTTCTGACTCCCGATGGAAA
 AGCAATTCAGATGCGGATAGGCATTCACTCAGGCTCTGTGCTGGCTGGTGTGGTGGGAGTACGAATGCCA
 CGATATTGCTTTTTGGAAACAATGCACTCTGGCAAGCAAAATTTGAATCTGGAAGTCACTCTCGGCGTA
 TCAATGTCAGCCCTACTACTTACCAATTAACAAACGAGAAGACAGTTTACATTTATTCCTCGTTCTCG
 AGAAGAATTCAGACAACCTTCCGAAGGAAATTCCTGGGGTCTGCTATTTCTGGAGTTAAGGACTGAC
 CCAAAGCCACAAAGCCATCCCTATCTTCATCGAGAATAAAAAAGGTTTCTACAATATTGGCACAATGT
 TCCTCCGGGAAACAAGCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001033322

Insert Size: 2193 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:	<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:	<u>NM_001033322.2, NP_001028494.1</u>
RefSeq Size:	13727 bp
RefSeq ORF:	2193 bp
Locus ID:	234889
Cytogenetics:	9 A1