

Product datasheet for **MC221897**

Gucy1b2 (NM_172810) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gucy1b2 (NM_172810) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gucy1b2
Synonyms:	B930025B03; GC-SB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221897 representing NM_172810
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGATGTCTGAAGTGTGTGTGCTGAGTATACGCTAAAAGTTAAAATGTCAGACACAGCAGACGGTG
 TGCTGTATGAGCCTCTGCGAGCGGAGTTTAGGAGCAAGCGAACCCATCTACAGGGCTCAGCAGAAGGCCG
 AGGTCAAGTTCCTAGCTTCACTGACAGACCTCAACTGCCTTCCAGAGATTCGGTAAGACGCCGGGTGTG
 CAGCTCCGGCCTGGAGACACGACGCTGGACACCATGTACGGATTATCAACACCTGTCTGCAGTCTCTTG
 TGACAGAGAAAATTTGGAGAGGAGACGTGGGAAAAGCTAAAGGCTTCTGCAGAAGTGAAGATGTCTTCAT
 GACCTACACCGTGTATGATGATACCATCACCGTTAAGCTCATCCAAGAAGCTGCAAGGCTCTGGATGTT
 TCCATGGAAGCCATTCTGAAGCTCTTTGGCGAATACTTCTTTAAGTTCTGTAAGATGTCCGGCTATGACA
 GGATGCTACGGACTTTGGAGGAAATCTCACAGAGTTTATTGAAAATCTAGATGCCCTCCACAGTTACCT
 GGCAGTGCCTATCAGGAAATGAACGCACCGTCTTTTCGAGTGGAGGGAGGAGCAGACGGGGCAATGCGT
 CTCATTACTACTCAGACAGACGTGGTCTGTGTACATCGTACCAGGCATCATTGAAGCTGTGGCCAAGG
 ACTTCTTTGACACTGATGTGGCCATGAGTATCCTTGATATGAATGAAGAGGTGGAAGGACAGGGGAAGAA
 AGAACATGTGCGTTCCTTGTGTGTCAGAAAGGCTCGAAGACAGATAAGAGGGGCAAAGGTAACCGGCCA
 CGAGACAGTGAGAATCCAGGCCAAGCAGGAGTCTTTCAGGGAACACTCCTTAGGAAGAAGGAGAGGT
 ATTTAAGCATCCCTGTTTGCCTGGGGAGAAAATCTCACTCAGCTGTTGTGAGGGCATCAGTCTGCTTGG
 AAAAGGGCCCTTGGGGACACTTCCAGCCTGTCTTTCCTGAGAGACTGTGGATTGAAGAGGAGGTGTTT
 TGCAATGCTTTTCCCTTCCACGTTGTCTTTGACGAAGCTAAGGGTCAAGCAAGCTGGAGTGAATATTC
 AGAAGTATGTCCTGGAATCTTGACCCAGAAGTTGGTCTAGATGAGTATTTCTCCATCGTCCACCCTCA
 AGTTACTTTCAACATCTCCAGCATCTGCAAGTTTCAATTAACAGTCAAGTTTATCTTGAAGACACGAAGAG
 ATGATGCCGAAGCATGGAAGAGCCAGCCGACACTCAAACCTCCGGGGTCAAGTATCTGGATGGAGTCTC
 TGAAGTGCATGGTCTTCAATGTGTCTCCAAAGCTCCGACGCTGCAAGAGCTGGAGGAGAGCAAGATGCA
 TCTTCCGACATCGTCCCCACGACACGACCAGGGATCTCATCTCCTCAACCAGCAGAGGCTGGCAGAG
 ATGGAAGTGTCTGCAACTGGAGAAGAAGAAGGAGGAGTTGCGTGTCTTCCAATCACCTGGCCATTG
 AAAAGAAGAAGACAGAGACCTTGTGTATGCCATGCTGCCTGAACATGTGGCCAACCAGCTCAAGGAGGG
 CAAAAAGGTGGCGCAGGAGAATTCGAGACGTGTACCATCTTTTCAGCGATGTTGTGACATTACCAAC
 ATCTGTGGCCCTGTGAACCTATCCAAATAGTGAACATGCTCAACTCAATGTAAGTCAAGTTTGACAGGT
 TAACCAACATCCATGATGTCTATAAAGTAGAAACAATAGGTGATGCTTACATGGTGGTAGGTGGAGTACC
 AGTACCCGTTGAAAGCCATGCTCAAAGAGTTGCTAATTTTGTCTCTGGGGATGAGAATTTCTGCAAAAAGAA
 GTGATGAATCCTGCTACTGGGGAACCCATACAGATCAGAGTGGGAATCCATACTGGACCAGTCTTAGCAG
 GTGTTGTGGGAGACAAGATGCCCGGTAAGTGCCTGTTGGTGACACCGTAAACACGGCCTTAGGATGGA
 AAGTACGGGCTTCCCAACAAAGTGCATCTGAGCCCCACAGCCACAGGGCTCTGGAAAACAAAGGGTTT
 GAAATTGTCACGAGAGGGGAGATAGAGGTGAAGGGGAAAGGAAAAATGACCACATACTTCTGATCCGGA
 ACCTGAATGCCACCGAGGTTGAGATCATGGGGCACCTTCAGCTCTCGCTGATGGGAAGGAAGCAAGTAC
 TCCTAGAAAACCAAGTCAAGAAGCCCGTGTCTGCTGAGCAACATGGACCACCACCAGCAGCAAGTCTAC
 AACAGTGATCCAGCAGACGCTTCTGATGAAGTCACACTTGTCTGGGAGTCCAGTGGCAGGGCAGACGACA
 CAGATGCAGTCAATAGCCAGTATCACCCAGATGAGACCAAGACAAGTGCCTTTGCCAGTGACCCTGTGTT
 GTCTGCCTTCTGTGCTGTGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_172810
Insert Size: 2475 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_172810.3</u> , <u>NP_766398.1</u>
RefSeq Size:	2717 bp
RefSeq ORF:	2475 bp
Locus ID:	239134
Cytogenetics:	14 D1