

Product datasheet for **RN208315**

Gucy1a3 (NM_017090) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gucy1a3 (NM_017090) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gucy1a3
Synonyms:	Gucy1a1; SGC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208315 representing NM_017090
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCTGCAGGAAGTTCAAAGATCTCAAGATCACGGGGAGTGTCTTTCTCTTACTGGCTCCTGGTC
 AGGTTCTACGGAGCCAATAGAGGAGGTGGCCGGAGTCTCTGAGAGCTGCCAGGCCACTCTGCCACCTG
 CCAGGAGTTTGCTGAGAATGCAGAGGGAGTCAACCCCAAGAAAAGACAAGCCGCAACAGAGTCTACCTA
 CACACCCTGGCAGAGAGTATTGGCAAGCTCATTTTCCCAGAGTTTGGAGAGTGAACCTTGCACCTCAGA
 GAACATTGGCAAAGCACAAAATAAAGGAAAACAGGAATCTTCAGAAAAAGAACCTTGAAGAATAAT
 TGCAGAAGAAGCAATTGCGGCAGGTGTCCAGTGGAGGCGCTCAAAGACTCTCTGGGTGAGGAAGTGTTC
 AAGATCTGTTATGAGGAAGATGAGCACATCCTGGGCGTGGTTGGCGCACCTGAAGGACTTTCTCAACA
 GCTTCAGCACGCTCCTGAAGCAGAGCAGCCACTGCCAGGAGCGGAGAGGCGGGGGCGACTGGAAGATGC
 CTCATCTTGTGCTGGACAAGGACCAGGACTTTCTAAATGTTTACTACTTCTTCCGAAGAGAACCACA
 GCCTGCTTCTCCCGGTATCATTAAAGCGGCTGCTCGCATACTGTACGAAAGCCACGTGGAGGTGTCCC
 TGATGCCTCCCTGCTTCCGAAGTGAAGTGTACCGAATTCGTGAACCAAGCCCTATTTGCTCTACTCGGTCCA
 CGTGAAGAGCACCAAGCCTTCTCTGTCCCAGGCAAACCCAGTCTCGTAGTGATCCCTACTTCGCTC
 TTCTGCAAAACTTTCCATTCCACTTATGCTGGACCGTGACCTGGCCATTCTGCAGCTGGGTAATGGCA
 TCAGAAGGCTGGTGAACAAGAGGGACTTCCAAGGGAAGCCCAACTTTGAAGAGTTCTTTGAAATTTAAAC
 TCCCAAAATCAACCAGACATTTAGCGGCATCATGACAATGTTGAATATGCAGTTTGTACACGGGTGAGG
 AGATGGGATAACTTAGTGAAGAAATCTCAAGGGTTATGGACCTCAAAGGTCAAATGATCTACATCGTTG
 AATCCAGTGCCATCTTGTCTTAGGGTCGCCGTGTGTGGACAGATTGGAAGATTTACAGGACGGGGTCT
 CTATCTGTCTGACATCCCGATTCAATGCCCTGAGGGATGTTGTCTTGATAGGGGAACAGGCACGGGCT
 CAAGATGGCCTCAAGAAGAGGTTGGGAAAGCTGAAGGCAACCTTGGAGCATGCCCAACCAAGCCCTGGAGG
 AGGAGAAGAAGAAGCGGTAGATCTCTGTGTTCTATCTTTCCCTCTGAGGTTGCTCAGCAGCTCTGGCA
 AGGACAAATTGTGCAAGCCAAGAAGTTCATGAGGTCACCATGCTCTTCTCAGATATCGTAGGGTCACT
 GCCATCTGCTCTCAGTGTTCACCTCTGCAGGTCATCACCATGCTCAACGCTCTCTATACTCGTTTGACC
 AACAGTGTGGAGAGCTGGATGTCTACAAGGTGGAGACCATCGGAGATGCATATTGTGTGGCAGGGGGATT
 GCACAGAGAGAGTGACACACATGCTGTCCAGATAGCACTGATGGCCCTGAAGATGATGGAGCTCTCCAAT
 GAGGTCATGTCTCCACGGGAGAACCTATCAAGATGCGAATCGGACTGCATTCTGGGTGAGTGTGCTG
 GAGTTGTTGGAGTGAAGATGCCCGATATTGCCTGTTTGGAAACAATGCTACTCTGGCTAACAAATTTGA
 GTCCTGCAGTGTGCTCGGAAAATCAATGTGAGCCCAAGACATACAGGTTACTCAAAGACTGTCCTGGC
 TTTGTGTTCAACCGAGATCGAGGGAGGAGCTCCACCAAATTCCTAGTGACATTCTGGAATCTGTC
 ACTTTCTGGATGCTTATCAACATCAAGGACCTAATTCTAAACCATGGTCCAGCAGAAAGATGCAGAAGA
 TGGAAACGCTAACTTCTTAGGCAAAGCATCAGGGGTAGAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_017090

Insert Size: 2073 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_017090.2</u> , <u>NP_058786.2</u>
RefSeq Size:	2666 bp
RefSeq ORF:	2073 bp
Locus ID:	497757
Cytogenetics:	2q34
Gene Summary:	soluble guanylate cyclase subunit that forms a heterodimer with Gucy1b3; may also function as an intracellular nitric oxide receptor [RGD, Feb 2006]