

Product datasheet for **RN204567**

Gaa (NM_199118) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gaa (NM_199118) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gaa
Synonyms:	MGC72625
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204567 representing NM_199118
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATATACGGAAGCCCCTCTGTTCACCTCCGTGGTTGGGCGCTGCACCCTCGTCTCCTTGACTACGG
 CTGTCATCCTGGGTCACCTCATGCTCCGGGAGCTAATGCTACTCCCCAGGATCTTCATGAGTCCTCCTC
 GGGACTGTGGAAGACTTACCGACCTCACCATCAGGAAAGTTACGAGCCAGCGCCCCGTCACATCCAGGAG
 CACGCCGAACAGCTAAGAGCAGTACCCACACAGTGTGATGTAACCCCAACAGCCGCTTTGACTGTGCC
 CCGACAAAGGCATCACCCAGGAGCAGTGCAGGGCCGAGGCTGCTGCTGGGTCCCAGCAGGGCAGGTGCT
 GAATGGGCCAGTGTGGGCGAGCCCTGGTGTCTTCCCTCCAGCTACCCAAGCTACCGGCTAGAGAAC
 CTGAGCTCTACAGAGTCAAGGTACACAGCCACCCTGACCCGGACCAGTCCGACCTTCTTTCAAAGGATG
 TGCTGACCTTACAGCTGGAGGTGCTGATGGAGACTGACAGCCGCCTCCACTTTATGATCAAAGATCCCAC
 TAGTAAGCGCTACGAAGTCCCCGAGACCCCGGTGTCTGAGCCAGGCGCCATCCCCACTTTACAGT
 GTGGAGTTCTCAGAGGAGCCCTTCGGCGTGATCGTTCCGAGGAAGCTTGGTGGCCGAGTGTCTGTAACA
 CAACCGTGGCCCCCTGTCTTCGCTGACCAGTTCCTGCAGCTGTCCACCTCACTGCCCTCCCAGACAT
 CGCAGGCTGGGTGAGCACCTCAGTCCACTCATGCTCAGCACCGAATGGACTCGCATCACCTCTGGAAC
 CGGGATGTGGCACCCCTCGCAAGGTGTCAACCTCTATGGGTACACCCCTTCTACCTGGCACTGGAGGACG
 GTGGCTTGGCTCACGGTGTCTTCTTGTAAATAGCAATGCCATGGATGTGGTCTGCAGCCAGCCCGGC
 CCTAACTTGGAGGTCAACAGGCGGAATCCTGGATGTTTATGTGTTCTAGGCCAGAGCCCAAGAGTGT
 GTCCAACAATACCTGGATGTGCTGGGATACCCCTCATGCCTCCGACTGGGCGCTGGGCTTCCACCTCT
 GCCGTGGGCTACTCTCCACCGCCATCGTCCGACAGTGGTGGAGAACATGACCAGGACGCACTCCC
 CCTGGAGTGCAGTGAATGACCTGGACTACATGGACGCCCGGAGAGACTTCACTTTCAACCAGGACGGC
 TTTGCAGACTTCCAGACATGGTGCACGAGCTCCACCAGGTGGCCGGCGGTACATGATGATTGTGGACC
 CTGCCATCAGCAGTTCAGGCCCTGCTGGGAGTTACAGGCCCTATGATGAGGGTCTTCGGAGGGCGTGT
 CATACCAATGAGACTGGGCAGCCATTGATTGGGAAGGTTTGGCCTGGATCCACCGCCTTCCCTGATTTT
 ACCAACCTGAGACCCTCGACTGGTGGCAGGACATGGTGTCTGAGTTCATGCCAGGTGCCCTTCGATG
 GCATGTGGATCGACATGAACGAACCGTCCAACCTCATCAGAGGCTCTCAGCAGGGCTGCCCTGACAAATGA
 ACTAGAGAACCCCCCTATGTGCCCGGGTGGTGGCGGGCCTTGCCAGGCCACCACCTCTGTGCCTCC
 AGCCACCAGTTTCTCTACACACTACAACCTCCACAACCTATACGGCCTCACTGAAGCAATTGCCTCCA
 GCAGGGCCCTAGTCAAGACTCGGGGAACACGACCCCTTGTGATCTCCCGCTCAACCTTTCGGGGCCACGG
 CCGGTATGCCGGTCACTGGACAGGGGACGTGTGGAGCTCTGGGAGCATCTTGCCTACTCTGTGCCAGAA
 ATCCTGCAGTTTAACTGCTGGGCGTGCCTTGGTGGGGCAGACATCTGCGGCTTCCAGGGAAACACGA
 CAGAAGAGCTGTGTGCGCTGGACCCAGTTGGGGCCTTACCCCTTTCATGCGGAACCAATGACCT
 GAATAGCTTGCCTCAGGAGCCGTACAGGTTACGCGAGACGGCACAGCAGGCCATGAGGAAGGCCTTACC
 TTGGCTATGCCCTTCTACCTACCTGTATACACTTCCACGGCGCCACGTCAAAGGGGACACGGTGG
 CCCGGCCCTCTCTCGGAGTTCCTGAGGATCCAGCACCTGGTCTGTGGACCGCCAGCTCTTGTGGGG
 GCCGGCCCTGCTTACACACTGTGCTTGAACCTGGGAAAACGACGTGACAGGCTACTTCCCAAGGGC
 ATGTGGTACAACCTGCAGATGGTACCTGTGGAGACCCTTGGTAGCCTCCCTTCTTCGTACACAGCTCGT
 CTTTCAGATCTATTGTCCACAGCAAGGGTCAGTGGCTGACACTGGAAGCCCCCTGGATACCATCAACGT
 GCACCTCAGGGCGGGGTACATCATACCTGCAGGGTCCCAGCCTCACAACCACAGAGTCCCGAAAGCAG
 CCCATGGCCCTGGCTGTGGCGTTAACTGAAAGCGGCGAGGCTCTGGGGAGCTGTTTTGGGACGACGGG
 AGAGCCTCGGGTCTGGAGCGTGGGCTACACACTGGTCACTTCTCAGCCAAGAATAATACCATTGT
 AAACAAGTTAGTGCAGTACCAAGGAGGGAGGTGAACTGCAACTGAGGGAGGTGACCATCTTGGGAGTG
 ACCACAGCTCCACCCAGGTCCTTCCAATGGCATCTCTGTCTCAATTTACCTACAGCCCGGACGACA
 AGAGCCTGTCCATCCCTGTCTACTGCTGATGGGAGAGCGGTTCAAATCGATTGTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN:	NM_199118
Insert Size:	2862 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_199118.1</u> , <u>NP_954549.1</u>
RefSeq Size:	3408 bp
RefSeq ORF:	2862 bp
Locus ID:	367562
UniProt ID:	<u>Q6P7A9</u>
Cytogenetics:	10q32.3
Gene Summary:	human homolog catalyzes the degradation of glycogen [RGD, Feb 2006]