

Product datasheet for **RN209794**

Gusb (NM_017015) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gusb (NM_017015) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gusb
Synonyms:	Ac2-223; Gus-s
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209794 representing NM_017015
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCCAAGACGGAGTGTGTGGTTCGTAAGTGGCCAGCTGCTGTGCAGCTGCGCGCTGGCGCTGC
 AGGGCGGGATGCTGTTCCCGAAGGAGACCCCTTCGCGGGAAGTCAAGGTGCTGGACGGCCTTGGAGCTT
 CCGTGCCGATTACTCGAACAATCGGTTGACAGGGCTTCGAGAAGCAGTGGTACCGGCAGCCCTACGGGAG
 TCGGGCCCAACCTTGACATGCCGGTCCCTTCAGCTTCAATGACATCACCCAAGAAGCAGAGCTTCGGA
 ACTTCATTGGCTGGGTGTGGTATGAACGGGAAGCAGTGTCCACAGCGATGGACCCAGGACACCGACAG
 GAGAGTGGTGTGAGAATCAACAGCGCCATTACTATGCAGTTGTGTGGTGAATGGGATTCATGTGGT
 GAACATGAGGGAGGTACCTCCCTTTGAGGCTGACATCACCAAGCTGGTCCAGAGTGGGCCCTGACCA
 CCTTCGGGTACCATCGCCATCAACAACACACTGACCCCTTATACCCTCCACCGGGGACCATTGTCTA
 CAAGACTGATCCTTCCATGTATCCCAAGGTTACTTCGTCAGGACATAAGCTTCGACTTCTTCAACTAT
 GCGGGGCTGCACCGGTCTGTGGTCTGTACACCACCCCTACCACCTATATCGATGATACACTGTGACCA
 CTGACGTGGACCGGACGTTGGGCTGGTGAAGTACTGGATTTCTGTCCAGGGCAGTGACCATTTCCAGCT
 AGAAGTGCCTCTTCTGGATGAGGATGGCAAAATTTGGCCCGTGGAAACAGGGAATGAGGGTCAACTTAAG
 GTGCCCGTGGCCACCTCTGGTGGCCTTACCTGATGCATGAGCATCCAGCCTACCTGACTCCTTGGAGG
 TGACGATGACAACACCTGAGTCTGTGTGACTTCTATAACCCTCCCTGTCGGGATTCGAACAGTGGCTGT
 CACAAAGAGCAAGTTCCTATAAATGGGAAGCCTTTCTACTTCCAAGGCGTCAACAAGCATGAGGATTCA
 GATATCCGAGGGAGAGGCTTCGACTGGCCTCTGCTGATAAAGGATTTCAACCTCCTCCGTTGGCTCGGG
 CAAATTCCTTTTCGTACCAGCCACTATCCCTACTCGGAGGAGTACTTCAGCTCTGTGACCGATATGGAAT
 TGTGGTCAATCGATGAGTGTCCCGGTGTGGGCATCGTGCTGCCCCAGAGTTTTGGCAACGTGTCTCTTCGG
 CACCACCTAGAGGTGATGGACGAGCTGGTGCAGGGACAAAAATCACCTGCGGTGCTGATGTGGTCTG
 TGGCCAATGAGCCTGTCTCTTCTGAAACCTGCCGGATATTACTTCAAGACGCTGATCGCCACACCAA
 AGCCCTGGACCCACCCGCTCTGTGACCTTTGTGAGCAATACCAGATATGACGCAGACATGGGGGCCCG
 TACGTGGACGTGATTTGTGTGAACAGTACTTATCCTGGTATCATGACTACGGGCATCTGGAGGTGATTC
 AGCTGCAGCTGACTAGCCAGTTTGAAGTGGTATAAGATGTACCAGAAGCCAATATCCAGAGCGAGTA
 TGGAGCAGACGCCGCTTCGGGGCTTCATGAGGATCCACCTCGCATGTTTCAGTGAGGAGTACCAGACAGCT
 CTCTGGAGAATTATCATTGATCCTGGATGAGAAACGAAAAGAATATGTCATCGGAGAGCTCATCTGGA
 ATTTTGTGACTTCATGACGAACAGTACCACCTGAGAGTAACAGGAAACAAGAAGGGGATCTTCACTCG
 ACAGAGAAACCCCAAGATGGCAGCCTTCATTTTGCAGAGAGATACTGGAGGATTGCCAACGAAACCCAGA
 GGTACCGTTTCAGTGCCGAGGACCCAGTGTATGGGAAGCAGACCGTTACATTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017015
- Insert Size:** 1947 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_017015.2](#), [NP_058711.2](#)

RefSeq Size: 2483 bp

RefSeq ORF: 1947 bp

Locus ID: 24434

UniProt ID: [P06760](#)

Cytogenetics: 12q12

Gene Summary: catalyzes the conversion of a beta-D-glucuronoside and H2O to an alcohol and D-glucuronate [RGD, Feb 2006]