

Product datasheet for **MC204863**

Gusb (NM_010368) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Gusb (NM_010368) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Gusb |
| Synonyms: | A1747421; asd; g; Gur; Gus; Gus-r; Gus-s; Gus-t; Gus-u; Gut |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC071226
 CCCAGCCGCTGGTGGTGGGCGAGCCTGGCCAGTATGTCCCTAAAAATGGAGTGCCTGTTGGGTCGCGCTGG
 GCCAGCTGCTGTGCAGCTGCGCGCTGGCTCTGAAGGGCGGGATGCTGTTCCCGAAGGAGAGCCCGTCGCG
 GGAGCTCAAGGCGCTGGACGGACTGTGGCACTTCCGCGCCGACCTCTCGAACAACCGGCTGCAGGGTTTC
 GAGCAGCAATGGTACCGGCAGCCGCTACGGGAGTCGGGCCAGTCTTGGACATGCCTGTCCCTTCTAGCT
 TCAATGACATCACCCAAGAAGCAGCCCTTCGGGACTTTATTGGCTGGGTGTGGTATGAACGGGAAGCAAT
 CTTGCCACGGCGATGGACCCAAGATACCGACATGAGAGTGGTGTGAGGATCAACAGTGCCCATTTATTAT
 GCAGTTGTGGGTGAATGGGATTCATGTGGTGAACATGAGGGAGGTCACCTCCCTTTGAGGCTGACA
 TTAGCAAGCTGGTCCAGAGTGGGCCCTGACCCTGCCGGATCACGATTGCCATCAACAACACACTGAC
 CCCTCATACCCTCCGCGGGGACCATCGTCTACAAGACTGACACCTCCATGTATCCCAAGGGTTACTTT
 GTCCAGGACACAAGCTTTGACTTCTTCAACTATGCGGGACTGCATCGATCTGTGGTCTCTATACCACCC
 CTACCCTTACATCGATGATCACTGTGATCACTAATGTGGAGCAAGACATCGGGCTGGTGACCTACTG
 GATTTCTGTGCAGGGCAGTGAACATTTCCAGCTAGAAGTGAACCTTTGGATGAGGGTGGCAAAGTCGTG
 GCCATGGGACAGGAACAGGGTCAACTTCAGGTTCCAGTGCACACCTCTGGTGGCTTACCTGATGC
 ATGAGCATCCAGCTACATGTACTCCTTGGAGGTGAAGGTGACAACAACCTGAGTCTGTGACTGACTACTA
 CACCCTTCTATCGGGATTCGAACAGTGGCTGTCAAAAGAGCAAGTTCCCTATAAACGGGAAGCCCTTC
 TATTTCCAAGGGTCAATAAGCACGAGGATTAGATATCCGAGGAAAGGCTTCGACTGGCCGCTGCTGG
 TAAAGGATTTCAACCTGCTCCGTTGGCTCGGGCAAATTCCTTTTCGTACCAGCCACTATCCCTACTCAGA
 GGAGGTACTTCAGCTCTGTGACCGATACGGGATTGTGGTTCATCGATGAGTGTCCCGGTGTGGCATTGTG
 CTACCTCAGAGTTTTGGCAACGAGTCACTTCGGCACCACTAGAGGTGATGGAGGAGCTGGTTCGCCGGG
 ACAAAAATCACCTGCGGTTGTGATGTGGTCTGTGGCCAATGAGCCTTCTCTGCTCTGAAACCCGCCGC
 ATATTACTTTAAGACGCTGATCACCCACACCAAGCCCTGGACCTCACCCGTCCCGTGACCTTTGTGAGC
 AACGCCAAATATGATGCAGACCTGGGGGCCCGTACGTGGATGTTATCTGTGTAACAGCTACTTTTCTT
 GGTATCATGACTATGGGCATTTGGAGGTGATTCAGCCACAGCTGAATAGCCAGTTTGAGAAGTGGTATAA
 GACGCATCAGAAGCCGATTATCCAGAGCGAGTATGGAGCAGACGCAATCCAGGGATCCACGAGGACCCG
 CCTCGCATGTTTCAGTGAGGAGTACCAGAAGGCTGTTCTGGAGAATTACCATTTCAGTTCTGGATCAGAAAC
 GTAAAGAATACGTGGTCCGAGAGCTCATCTGGAATTTCCGCGACTTCATGACGAACCAAGTACCAGTGCAG
 AGTAATCGGAAACAAGAAGGGGATCTTCACTCGCCAGAGACAGCCCAAAACTTCGGCCTTTATTTTGGCA
 GAGAGATACTGGAGGATTGCCAACGAAACCGGAGGTACCGTTTCAGGGCCGAGAACCAGTGTTCGGAA
 GCAGACCGTTCAGTTCTAAAGTTACAACCTACTGCAGACTCAAAGGTGTCCCCAGACACTTCTCTG
 AACTAGTGTCTTCTATTTGGGATTTTGTGAAGTATACAAGGGGACTTTAGAAGTGCATCAAAGCTTTT
 CTCCGTTGGGATATAACTTACAGTGCCTTAGGCTCAGTAATATGTCCTGCTGAGAGGTGTCCAAGATA
 ATTTGTTAGTTTTTGGCCTTGGCTTTGTGAAGTCTTGAAGCCCTGCTGTGTGAACATTCTCACTAAATT
 AAGAGCTACTGGTGGAGGCTGGAGTGAAGGCTGGCTCACAATTTAAGAGCACTGACTGTTCTACTGGAG
 GTTCCAGATTCATTCCTAGCACCTACCTGGTGGCTAACTATGAGCTGGTCTCCATTTCCAGGTGATC
 CAAATGCCCTTTTGGCCCTGCGGGTACCACATGTATGTGGTATGTGGATCTACATGTGGGGAAAAAAGT
 CATACATGCAAAATAAAAATGAATCTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010368

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: [BC071226](#), [AAH71226](#)

RefSeq Size: 2492 bp

RefSeq ORF: 1947 bp

Locus ID: 110006

UniProt ID: [P12265](#)

Cytogenetics: 5 68.32 cM

Gene Summary: Plays an important role in the degradation of dermatan and keratan sulfates.
[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.