

Product datasheet for **MC201587**

Colgalt1 (NM_146211) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Colgalt1 (NM_146211) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Colgalt1
Synonyms:	2810024B22Rik; Glt25d1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC032165 sequence for NM_146211
 CCACGCGTCCGCGGAAAGCAGTGGAAAGCTTTAAAGGCGTAGCCTTGTCATGCCTCTCTCCAGGACTCAC
 AGTATGACCCCGGGGCCACTTCCCTTTAAGGAGCGTGTGACGGGTGGGACCTGGATGTGTCTTCCCGCC
 GCCGACTCCTTTAAGGCGCGGCCCTCGTCCGCCGAGAAAAGCTGCTTAAAGGCGACGCGTGGCGCGAT
 GGCGGCGTTGCCACGCGGGTACGCGGGCTGCCGCTGTGCCACTGCTCCTACTGCTGCCGCCGTGGG
 GGCCCGCGCGCGGACGGCTACTTTCCAGAGGAGCGCTGGAGCCCCGAGTCCCCGCTACAGGCGCCCG
 GCGTGTCTATCGCGCTGCTGGCGGGAACGCGCACCCGCGCTGCCGCCACGCTGGGCGCCCTGGAGCA
 GCTGCGCCACCCACGGGAGCGCACGCGCGCTGTGGGTGGCCACAGATCACAACTGACAACACTTACGCC
 ATACTTCGAGAGTGGCTGGTGGCAGTGAAGGGTTATACCACTCTGTGGAGTGGCGACCGCAGAGGAAC
 CCAGCTCTTACCCAGACGAAGAAGGCCCAAACACTGGTCCGATTCGCCGTACGAGCATGTGATGAACT
 GCGCCAAGCAGCCTTGAAGTCACTAGGACATGTGGGCTGACTACATTCTGTTTATGACATCGACAAC
 TTGATCACCAACCCGACACTCTGAGCCTGCTCATCGCTGAGAACAAGACAGTGGTGGCCCCATGTGG
 ACTCCCGAGCGGCATACTCCAATTCTGGTGTGGGATGACTTCGACGGGCTACTACAAGCGCACCCCTGC
 CTATATCCCCATCCGAAAACGAGACCGCAGGGGCTGCTTTCAGTTCCTTGGTGCCTACTACCTCCTC
 ATTGACCTGCGTAAGGCTGCATCCAGAACCTGGCCTTTTACCCACCACCCAGACTACACCTGGTCTT
 TTGACGACATCATCGTCTTTGCCTTCTCCTGTAACAGGCAGAGGTGCAAATGTACGTGTGCAATAGGA
 GGTGTACGGCTTCTGCCGTGCCACTGCGTGGCGCACAGCAGCCTGCAGGACGAAGCAGAGAGCTTCATG
 CACGTGCAGTGGAGGTGATGGTAAACATCCACCAGTGCAGCTCTCCGATTCTCAGCACCCAGGA
 AGACTTCTGACAAGATGGGCTTCGATGAGGTCTTCATGATCAACCTGAAGCGGAGGCGGGACCGCGAGA
 ACGCATGCTGCGGGCACTACATGAGCAGGAGATTGACTGCCAGCTGGTGGAGGCTGTAGATGGCAAAGCC
 ATGAACACCAGCCAGGTGGAAGCCATGGGCATCCAGATGCTGCCTGGCTACCGGGACCCCTACCATGGG
 GGCCACTACCAAGGGAGAGCTGGGCTGCTTTCAGCCACTACAACATCTGGAAGGAGGTGGTTGACCG
 GGGACTACAGAAATCACTAGTGTGGGATGATCTGCGTTTTGAGATCTTCTTCAAGAGACGTGATG
 AACCTCATGCGGGATGTGGAGCGTGGAGGGCTGGACTGGGACCTCATCTACGTGGCCGGAAGCGCATGC
 AGGTGGAGCACCTGAAAAGGCTGTGCCCATGTAAGGAACCTGGTAGAGGCTGATTACTCTACTGGAC
 GCTAGCCTATGTAATCTCCCTGCAAGGTGCTCAGAAGTTGCTTGCTGCCAAGCCACTGGCCAAAATGCTA
 CCTGTTGATGAGTTTCTGCCTGTGATGTTGACAAGCACCAATGTCAGAATAACAAGAGTCACTTCTCTC
 CCCGCAACCTGCGTGCCTTCTCTGTGGAGCCCCTCTTATCTACCCTACACACTACACAGGGGATGATGG
 CTATGTGAGTGACACAGAGACCTCAGTTGTGTTGGAATAATGAGCAGGTTAAGACTGACTGGGACCGAGCC
 AAGTCCCAGAAGATGCGGGAACAGCAAGCACTGAGCCGTGAGGCCAAGAAGTCAAGTGTGCTCCAGTCTC
 CACTGGACAGCACTGCCGTGATGAGCTTTGAGGCAACTGGCAAACAGCCAAAGCCACTGCTACACACCT
 AAACCTTATGTGCTTGCCTGGGACTATAGGGCCACTCAGGCAGACAACAGAGAGCTCTACAAGCACAGAG
 GTCTCCATGTCTTCTGTTTAGCAGCCACTTACACACAGGCAGCATTTATGGAGTACTTACTGTATGCCA
 GAAATAGGGCTGACCACCAAGAGATTGGTCAGGAACAAGCACAGTCAAGTGGGTCCACCATGAAGGAAGT
 TCTCTTGTAGAGCAATGAAAGAGGCACGATTCCTCCCTTATCAGTGTGAACTGATCATCAGTCTTTTAT
 TGTTTCAAGTCAAGTATTAGGGATACATACTCATTTTTAAATCCGTTTGGATATTTATTGAGGGC
 TTAAGTGTATATTAGGTACCATTCTAGCTCTGGGAATACTGAAATAAGAAAAAATCAAGCAAAATATA
 CCAAGCAGCTGCTATGTGCCAGGCTTAGGAAGCACTGATGAGTTAAGTGTCTACTATGTGTCACCTCAGT
 AGGTGCTGGAGATGGATGTCCCAGTGGTGTCTTATCCTTGTAGTGGGCATGATATGCTTACGGTGGAAACA
 GTATTATTGACCCTGTGTGCTAGGCTACACGCTGAGCACAATGACAGAGTCTAAACAGAATGTAACAAGC
 ATTTATTGAGCACCTAGAGTATCAGGCCTTACTGCCAGTTGGTTGAGAAATAGCCACCCTCCAACCTG
 TCTGCCGAGGACACTGGGCTTCCCTTGTCTAGAAGGGAGCATTGCTCTCCTTCCCTTGGTTGACTGCTG
 GTTTCAAGGATACTCATGACCTTGAAGCCCCCACCCTCGTCCCTGGGCTGGGCTCCCTTGGCCA
 CCCCTTACTTCCAGAGCTTCTCTGCTTGTATCTCAGGTGTCCCTTGGCTGCTCATATGTTGGGGC
 CTTGAGGTGCCACCTGTATTGGGGTGTCTCTTGGCCTGAGCAGTGTGTTTACCAGCAGGCCAGGGT
 TTGCTGTCCCTTCAAACCAAATTGACTGTCAACTGGACAGTGGTACCATCTTCTTGGGATGACTGCTT
 GCCTGCTCAGGTCTTGGTAACTGTCTCATGTTTGTATTAATTTCTTATTGGTTTTACTGAAAAAATAA AAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_146211

Insert Size: 1854 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:	BC032165 , AAH32165
RefSeq Size:	3231 bp
RefSeq ORF:	1854 bp
Locus ID:	234407
UniProt ID:	Q8K297
Cytogenetics:	8 B3.3
Gene Summary:	Beta-galactosyltransferase that transfers beta-galactose to hydroxylysine residues of type I collagen. By acting on collagen glycosylation, facilitates the formation of collagen triple helix. Also involved in the biosynthesis of collagen type IV.[UniProtKB/Swiss-Prot Function]