

## Product datasheet for **RC207831**

### GLT25D2 (COLGALT2) (NM\_015101) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GLT25D2 (COLGALT2) (NM_015101) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GLT25D2
Synonyms:	C1orf17; ColGalT 2; GLT25D2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC207831 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTGCGCGCCCTGCTGCCACCTCGCCTGGTGCCTACTGCTCCTCTCCTCAGCCCTGCTCCGGAAG  
 GCTGCCGAGCGCCTTCGTCGCCGAGCGGACTCGGAGGACGACGAGAGAGCCGGTGGTTTTCCCGGA  
 GTCGCCCTTCAGAGCCACCGGTGCTCGTGGCGGTCCTCGCCGCAACGCGCGCACACGCTGCCGCAC  
 TTCCTCGGCTGCCTGGAGCGCTGGACTACCCCAAGAGCAGGATGGCCATCTGGGAGCCACTGATCACA  
 ATGTGGATAATACAACAGAAATATTCAGGGAGTGGTTGAAAAATGTACAGAGACTCTATCACTATGTGGA  
 GTGGAGGCTATGGATGAACCAGAGTCTTACCCTGATGAAATGGACCAAAGCACTGGCCAACTCCCGG  
 TTTGCCATGTGATGAACTACGACAGGACGCCCTTCAACTGCGAGGAAAAATGGTCAGACTACATTC  
 TGTTTCATAGATGTTGACAATTCCTGACTAATCCACAGACCTCAATCTACTGATTGCAGAAAAACAAAC  
 TATTGTGGCCCCATGCTGGAGTCTCGGGCCTGTATTCTAATTTCTGGTGCAGAAATCACCCCTAAGGGC  
 TTCTATAAGAGGACCCAGACTACGTTTCAGATTCGAGAATGGAAGAGGACAGGCTGCTTCCCCGTCCCA  
 TGGTCCACTCCACCTTCTAATTGACCTCAGGAAGGAGGCTCGGACAAGCTGACTTTTACCCCCACACA  
 CCAGGACTACACCTGGACCTTGTATGACATCATTGCTTTGCCTTCTCCAGCAGGCAAGCAGGCATCCAG  
 ATGTACCTCTGCAACAGAGAGCACTATGGCTACCTGCCATCCCCCTGAAGCCCCATCAGACACTGCAGG  
 AAGACATCGAGAACCTCATCCATGTGCAGATTGAAGCAATGATTGACCGTCCCAATGGAACCCCTCCCA  
 GTATGTCTCAGTTGTCCCTAAATATCCAGACAAGATGGGATTTGATGAGATTTTCATGATAAACCTCAA  
 CGCAGAAAAGGACAGGCGGACCGGATGCTGCGCACACTGTATGAACAGGAGATTGAGGTCAAGATTGTG  
 AGGCTGTGGATGGAAGGCACTCAACACAAGCCAGCTGAAGGCACTGAATATTGAAATGCTGCCTGGCA  
 TCGAGATCCCTATTCTCCAGGCCCTAACAAGGGGTGAAATCGGCTGCTTTCTCAGCCACTACTCAGTC  
 TGGAAAGAGGTAATTGATCGAGAGCTAGAGAAGACTCTTGTAAATTGAAGACGATGTGCGTTTTGAGCATC  
 AGTTTAAAGAAGAGCTGATGAAGCTGATGGATAACATTGACCAGGCTCAGCTGGACTGGAACTGATTTA  
 TATTGGTAGGAAGAGGATGCAAGTAAAGGAGCCAGAGAAAGCAGTGCCCAATGTGGCAAACCTGGTCGAA  
 GCCGACTATTCTACTGGACCTGGGCTACGTCATCTCTGGAAGGAGCACAGAAGCTGGTTGGAGCCA  
 ATCCTTTTGGGAAGATGCTGCCAGTGGATGAGTTTCTGCCAGTCATGTACAACAAGCATCCCGTAGCCGA  
 GTACAAGGAGTATTATGAATCCAGGACCTGAAAGCCTTCTCTGCAGAACCTTGCTCATCTACCCTACG  
 CACTACACAGGCCAGCCGGGTACTGAGTGACACGGAGACCTCCACCATCTGGGACAATGAGACAGTGG  
 CCACCGACTGGGATAGGACACATGCCTGGAAAGTCCCGGAAGCAAAGCCGATCTACAGCAATGCCAAGAA  
 CACAGAGGCCCTGCCACCGCCAACCTCCCTGGACTGTGCCTTCAAGGGATGAGCTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC207831 protein sequence  
 Red=Cloning site Green=Tags(s)

MAARPAATLAWSLLLLSSALLREGCRARFVAERDSEDDGEEPVVFPESPLQSPTVLVAVLARNAHHTLPH  
 FLGCLERLDYPKSRMAIWAATDHNVDNTEIFREWLKNVQRLYHYVEWRPMDPEPESYPDEIGPKHWPTSR  
 FAHVMKLRQAALRTAREKWSYILFIDVDNFLTNPQTLNLLIAENKTIVAPMLESRGLYSNFWCGITPKG  
 FYKRTPDYVQIREWKRTGCFVPMVHSTFLIDLKREASDKLTFYPPHQDYTWTFDDIIVFAFSSRQAGIQ  
 MYLCNREHYGYLPIPLKPHQTLQEDIENLIHVQIEAMIDRPPMEPSQYVSVVPKYPDKMGFDEIFMINLK  
 RRKDRDRMLRRTLYEQEIEVKIVEAVDGKALNTSQLKALNIEMLPYRDPYSSRPLTRGEIGCFLSHYSV  
 WKEVIDRELEKTLVIEDVRFHQFKKLMKLMNDIDQAQLDWELIYIGRKMVQKEPEKAVPNVANLVE  
 ADYSYWTLYGVIISLEGAQKLVGANPFGKMLPVDEFPLVPMYNKHPVAEYKEYYESRDLKAFSAEPLLIYPT  
 HYTGQPGYLSDETSTIWDNETVATDWRTHAWKSRKQSRISNAKNTEALPPPTSLDTPVSRDEL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6759\\_b08.zip](https://cdn.origene.com/chromatograms/mk6759_b08.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_015101

ORF Size: 1878 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

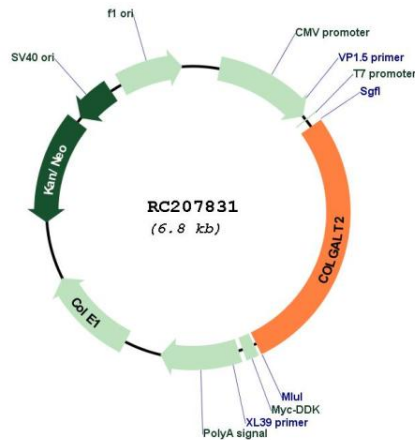
RefSeq: [NM\\_015101.4](#)

RefSeq Size: 5182 bp

RefSeq ORF: 1881 bp

**Locus ID:** 23127  
**UniProt ID:** [Q8IYK4](#)  
**Cytogenetics:** 1q25.3  
**Domains:** Glyco\_transf\_25  
**MW:** 72.9 kDa  
**Gene Summary:** Beta-galactosyltransferase that transfers beta-galactose to hydroxylysine residues of collagen.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC207831