

## Product datasheet for **SC321906**

### GLT25D2 (COLGALT2) (NM\_015101) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GLT25D2 (COLGALT2) (NM_015101) Human Untagged Clone
Tag:	Tag Free
Symbol:	GLT25D2
Synonyms:	C1orf17; ColGalT 2; GLT25D2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_015101.2  
 CCACGCGTCCGGGCAGACAGGGCCACAACCTCGCGGCTCTAGGGAAGGCCACAGACCTCAG  
 CTGTACGAGCGGAACCTGGACTAGAGGAACTTTCTCAGGACTCAGGGCACACAGCCCCT  
 CGGCCACTACTGTCTGCGAGCCCAGGGCGCAGGGGAGCGCCAGCGGCTGCAGGTACGCTG  
 CGCACCCGCACTGGGGCTGGGCGGTGCAGCGGCGGGAGGGTCTGGGAACCGCAGC  
 CGCCGAGGCCAGTGTGTAGCCGGCCGGCCGCGCAAGCCGCATCCCCGGCCGCCCTC  
 GCAGCCCTTGTCCCCGGCAGCCGCGCCGCTCAGGCAGCCAGCCGGGCGCTCGCG  
 CCAGGACTTCCCCGCGCCGCTCGGCCGGAACATGGCTGCGCGCCCTGCTGCCACCC  
 TCGCCTGGTCTGCTACTGCTCCTCTCCTCAGCCCTGCTCCGCGAAGGCTGCCGAGCGCGT  
 TCGTCCGCGAGCGGGACTCGGAGGACGACGAGAGGAGCCGGTGGTTTTCCCGGAGTCCG  
 CCCTGCAGAGCCCACGGTGTCTGTGGCGGTCTCGCCGCAACGCGGCGCACACGCTGC  
 CGCACTTCTCGGCTGCCTGGAGCGGCTGGACTACCCCAAGAGCAGGATGGCCATCTGGG  
 CAGCCACTGATCACAATGTGGATAATACAACAGAAATATTCAGGGAGTGGTTGAAAAATG  
 TACAGAGACTCTACTATGTGGAGTGGAGGCCTATGGATGAACCAGAGTCTTACCCTG  
 ATGAAATTGGACAAAGCACTGGCCAACCTCCCGTTTGGCCATGTGATGAAACTACGAC  
 AGGCAGCCCTTCGAACTCGAGGGAAAAATGGTCAGACTACATTCGTTCATAGATGTTG  
 ACAATTTCTGACTAATCCACAGACCCTCAATCTACTGATTGCAGAAAACAAAATATTG  
 TGGCCCCATGCTGGAGTCTCGGGGCTGTATTCTAATTTCTGGTGCGGAATCACCCCTA  
 AGGGCTTCTATAAGAGGACCCCAGACTACGTTCCAGATTCGAGAATGGAAGAGGACAGGCT  
 GCTTCCCCGTCCCATGGTCCACTCCACCTTCTAATTGACCTCAGGAAGGAGGCTCGG  
 ACAAGTGAATTTCTACCCCCACACCAGGACTACACCTGGACCTTTGATGACATCATTG  
 TCTTTGCCTTCTCAGCAGGCAAGCAGGCATCCAGATGTACCTCTGCAACAGAGAGCACT  
 ATGGCTACCTGCCATCCCCCTGAAGCCCATCAGACACTGCGGAAGACATCGAGAACC  
 TCATCCATGTGCAGATTGAAGCAATGATTGACCGTCTCCAATGGAACCCCTCCAGTATG  
 TCTCAGTTGTCCCTAAATATCCAGACAAGATGGGATTTGATGAGATTTTCATGATAAACC  
 TCAAACGCAGAAAGGACAGGCGGGACCGGATGCTGCGCACACTGTATGAACAGGAGATTG  
 AGGTCAAGATTGTCGAGGCTGTGGATGGAAGGCACTCAACACAAGCCAGCTGAAGGCAC  
 TGAATATTGAAATGCTGCCTGGCTATCGAGATCCCTATTCTCCAGGCCTCTAACAAGGG  
 GTGAAATCGGCTGCTTTCTCAGCCACTACTCAGTCTGGAAGAGGTAATTGATCGAGAGC  
 TAGAGAAGACTCTTGAATTAAGACGATGTGCGTTTTGAGCATCAGTTTAAGAAGAAGC  
 TGATGAAGCTGATGGATAACATTGACCAGGCTCAGCTGGACTGGGAACTGATTTATATTG  
 GTAGGAAGAGGATGCAAGTAAAGGAGCCAGAGAAAGCAGTGCCCAATGTGGCAAACCTGG  
 TCGAAGCCGACTATTCCTACTGGACCCTGGGCTACGTCATCTCTGGAAGGAGCACAGA  
 AGCTGGTTGGAGCCAATCCTTTTGGGAAGATGCTGCCAGTGGATGAGTTTCTGCCAGTCA  
 TGTACAACAAGCATCCCGTAGCCGAGTACAAGGAGTATTATGAATCCAGGGACCTGAAAG  
 CCTTCTCTGCAGAACCCTTGCTCATCTACCCTACGCACTACACAGGCCAGCCGGGTACC  
 TGAGTGACACGGAGACCTCCACCATCTGGGACAATGAGACAGTGGCCACCGACTGGGATA  
 GGACACATGCCTGGAAGTCCCGGAAGCAAAGCCGCATCTACAGCAATGCCAAGAACACAG  
 AGGCCCTGCCACCGCAACCTCCCTGGCACTGTGCCTTCAAGGGATGAGCTATGAAGGC  
 TCCTGGGAGTGTGGCCACATCAGTTCAACATCCTCTGGTTTTCTAAAGGGCTATTCA  
 TCTGTTTCTCCAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_015101

**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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_015101.2</a> , <a href="#">NP_055916.1</a>
<b>RefSeq Size:</b>	5182 bp
<b>RefSeq ORF:</b>	1881 bp
<b>Locus ID:</b>	23127
<b>UniProt ID:</b>	<a href="#">Q8IYK4</a>
<b>Cytogenetics:</b>	1q25.3
<b>Domains:</b>	Glyco_transf_25
<b>Gene Summary:</b>	<p>Beta-galactosyltransferase that transfers beta-galactose to hydroxylysine residues of collagen.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>