

Product datasheet for **SC318069**

GLT25D1 (COLGALT1) (NM_024656) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | GLT25D1 (COLGALT1) (NM_024656) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GLT25D1 |
| Synonyms: | BSVD3; ColGalT 1; GLT25D1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene ORF sequence for NM_024656 edited
 GGCGCGATGGCGGCGGCCACGCGCGGGCCGGCGGCGGCGGCGAGCCGCTCTGGCGCTG
 CTGCTTCTGCTGCTGGCGCCACTGCCGCGGGGGCCCCGCGGGCGCCGACGCCTACTTC
 CCCGAGGAGCGCTGGAGCCCGGAGTCGCCCTGCAGGCGCCGCGCGTGTCTATCGCGTG
 TTGGCGCGAAACGCGGCCACGCGTTGCCACCACGCTGGGCGCACTCGAGCGGTGCGG
 CACCCGCGGAGCGCACGGCGCTATGGGTGGCTACGGACCACAACATGGATAACACGTCA
 ACTGTGCTGCGGGAGTGGCTGGTGGCCGTGAAGAGTTTGTACCATTCGGTGGAGTGGCG
 CCAGCAGAGGAGCCAGTCTACCCGGACGAGGAAGGCCGAAACACTGGTCTGACTCA
 CGCTACGAGCATGTCTGAAGTTGCGCCAGGCAGCCCTGAAATCAGCTCGAGACATGTGG
 GCTGATTACATCTGTTTGTAGATGCGGACAACCTGATCCTCAACCCTGACACACTGAGC
 CTGCTCATCGCTGAGAACAAGACGGTGGTGCAGCCCATGCTGGATTCCCGGGTGCCTAC
 TCCAATTCTGGTGTGGAATGACTTCCAGGGCTACTACAAGCGCACACCTGCCTACATC
 CCTATCCGCAAGCGAGACCGCGGGGCTGCTTTCAGTTCATGGTGCCTCGACCTTC
 CTGATCGACTGCGGAAGCGGCGTCCAGGAACCTGGCCTTCTACCCACCTCACCTGAC
 TACACCTGGTCTTTGACGACATCATCGTCTTTGCCTTCTCCTGCAAGCAGGCAGAGTT
 CAGATGTATGTGTGCAACAAGGAGGAGTACGGATTCTTGCCAGTCCATTGCGCGCCAC
 AGCACCTCCAGGATGAGGCCGAGAGCTTCATGCATGTGCAGCTGGAGGTGATGGTGAAG
 CACCCGCCCGCAGAGCCCTCCCGTTCATCTCGGCTCCCACCAAGACACCGGACAAGATG
 GGCTTCGACGAGGTCTTCATGATCAACCTGAGGCGGCGGAGGACCGCGGGAGCGCATG
 CTGCGGGCGTGCAGGCACAGGAGATCGAGTGCAGGCTGGTGGAGGCCGTGGACGGCAA
 GCCATGAACACAGCCAGGTGGAGGCGCTGGGGATCCAGATGCTGCCTGGCTACCGGGAC
 CCCTACCAGCGCGGCCCTCACCAAGGGTGGAGTGGGCTGCTTCTGAGCCACTACAAC
 ATCTGGAAGGAGTGGTGGACCGGGGCTGCAGAAATCGCTTGTGTTTGGAGATGACCTG
 CGTTTTGAGATCTTCTCAAGAGACGTCTGATGAACCTCATGCGGGATGTGGAGCGGGAG
 GGCTGGACTGGGACCTCATCTATGTGGCCGGAAGCGGATGCAGGTGGAGCACCCCGAG
 AAGGCTGTGCCTCGCGTGAAGAACCTGGTGGAGGCCGACTATTCTACTGGACCTGGCC
 TACGTGATCTCCCTGCAAGGCGCCCGAAACTGCTGGCTGCTGAGCCGCTCTCAAGATG
 CTGCCTGTGGACGAGTTCCTGCCGTCATGTTGACAAACACCCAGTGTCCGAGTACAAG
 GCCCACTTCTCCCTCCGCAACCTGCATGCCTTCTCTGTGGAGCCGCTGCTCATCTACCC
 ACACACTACACAGGAGACGATGGCTATGTGAGTGACACCGAGACCTCAGTCGATGGAAC
 AATGAGCAGTCAAGACCGACTGGGACCGCCAAAGTCCAGAAGATGCGGGAGCAGCAG
 GCACTGAGCCGTGAGGCCAAGAATCGGACGTGCTCCAGTCCCACTGGACAGTGTGCC
 CGGGATGAACTCTGAGGGGTAGCAGCCAGAAAGCCAAAGCAGCCATCGGTGGCCAGGCT
 CCACGTGCTTACTGAGGACATCAGGTCCACCTTGGACCCCTTGGCAGGCCACAGAGGGC
 TCTCGTGTGGGTGGTGTCCAGCCAGCTTTGCTAAGCAATCACGTGCACACAGGCAGCA
 TTAATGGAGTGCCTACTGCATGCCAGCAACAGGGCTTGGCCCTGGGGAATTGGGAGGAAC
 CAAGCCCTCTTCTGTTTATGTGCCAGCATTATTAAGCACCTGCTGTATGCAAGGT
 TCCCATGTTACGGCAGTGAATGAGGCATAATTGTTCCCTCCATCAGCGATTGATTCAGTC
 ATCAAGCAGTACTGATCAGATTAAGAATCAGGCACTAGTGATACACATTCAATTTTAAA
 ATTCATTCAAGGAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024656

Insert Size: 2300 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).

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| OTI Annotation: | 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. |
| 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: | NM_024656.2 , NP_078932.2 |
| RefSeq Size: | 3593 bp |
| RefSeq ORF: | 1869 bp |
| Locus ID: | 79709 |
| UniProt ID: | Q8NBJ5 |
| Cytogenetics: | 19p13.11 |
| Domains: | Glyco_transf_25 |
| Gene Summary: | The protein encoded by this gene is one of two enzymes that transfers galactose moieties to hydroxylysine residues of collagen and mannose binding lectin. This gene is constitutively expressed and encodes a soluble protein that localizes to the endoplasmic reticulum. [provided by RefSeq, Dec 2015] |