

Product datasheet for **RC210711**

GLT25D1 (COLGALT1) (NM_024656) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLT25D1 (COLGALT1) (NM_024656) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GLT25D1
Synonyms:	BSVD3; ColGalT 1; GLT25D1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC210711 representing NM_024656
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCCCGCCACGCGCGGGCCGGCGCGGGCAGCCGCTCCTGGCGCTGCTGCTTCTGCTGCTGG
 CGCCACTGCCGCCGGGGCCCGCCGGGCGCCGACGCCTACTTTCCCGAGGAGCGCTGGAGCCCGGAGTC
 GCCCTGCAGGCGCCGCGCTGCTCATCGCGCTGTTGGCGGAAACGCGGCCACGCGTTGCCACCACG
 CTGGGCGCACTCGAGCGGCTGCGGCACCCGCGGGAGCGCACGGCGCTATGGGTGGCTACGGACCACAACA
 TGGATAACACGTCAACTGTGCTGCGGGAGTGGCTGGTGGCCGTAAGAGTTTGTACCATTCCGTGGAGTG
 GCGGCCAGCAGAGGAGCCAGGTCCTACCCGGACGAGGAAGGCCGAAACACTGGTCTGACTCACGCTAC
 GAGCATGTCATGAAGTTGCGCCAGGCAGCCCTGAAATCAGCTCGAGACATGTGGGCTGATTACATCTGT
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 GGTGCGCCCATGCTGGATTCCCGGGCTGCGTACTCCAATTCTGGTGTGAATGACTTCCAGGGCTAC
 TACAAGCGCACACTGCCTACATCCCTATCCGCAAGCGAGACCGCGGGGCTGCTTTCAGTTCCCATGG
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 TGACTACACTGGTCTTTGACGACATCATCGTCTTTCCTTCTCCTGCAAGCAGGCAGAGGTTAGATG
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 CATCTCGGCTCCACCAAGACACCGGACAAGATGGGCTTCGACGAGGCTTCATGATCAACTGAGGCGG
 CGGCAGGACCGGGGAGCGCATGCTGCGGGCGCTGCAGGCACAGGAGATCGAGTGCCGGCTGGTGGAGG
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 CAAGGCCACTTCTCCCTCCGCAACCTGCATGCCTTCTCTGTGGAGCCGCTGCTCATCTACCCACACAC
 TACACAGGAGACGATGGCTATGTGAGTGACACCGAGACCTCAGTCGTATGGAACAATGAGCAGTCAAGA
 CCGACTGGGACCGCCAAGTCCAGAAGATGCGGGAGCAGCAGGCACTGAGCCGTGAGGCCAAGAACT
 GGACGTGCTCCAGTCCCCACTGGACAGTGTGCCCGGGATGAACT

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 TGGATTACAAGGATGACGACGATAAGGTTTAA

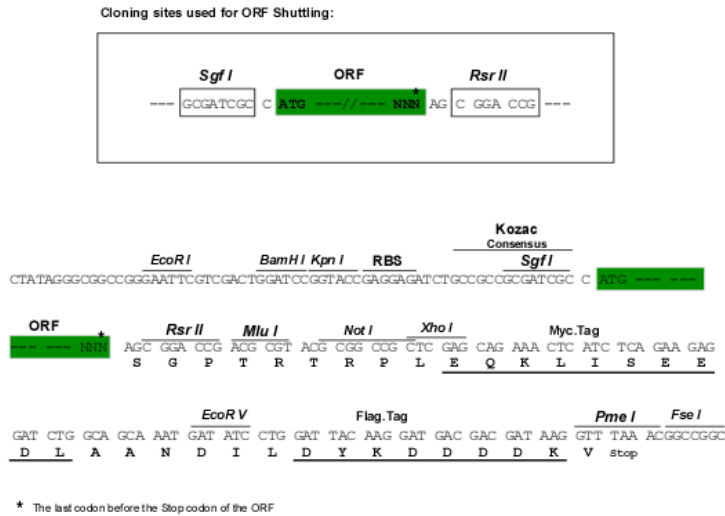
Protein Sequence:

>RC210711 representing NM_024656
 Red=Cloning site Green=Tags(s)

MAAAPRAGRRRQPLLAALLLLAPLPPGAPPADAYFPEERWSPESPLQAPRVLIALLARNAHALPTT
 LGALERLRHPRERTALWVATDHNMDNTSTVLREWLVAVKSLYHSVEWRPAEPRSYDDEEGPKHWSDSR
 EHVMLRQAALKSARDMWADYILFVDADNLILNPDTLSLLIAENKTVVAPMLDSRAAYSNFWCGMTSQY
 YKRTPAYIPIRKRDRRGCFVPMVHSTFLIDLKAAASRNLAFYPPHPDYTWSFDDIIVFAF SCKQAEVQM
 YVCNKEEYGF LPVPLRAHSTLQDEAESFMHVQLEVMVKHPPAEP SRFISAPTKTPDKMGFDEVFMINLRR
 RQDRRERMLRALQAQIEICRLVEAVDGKAMNTSQVEALGIQMLPGYRDPYHGRPLTKGELGCF LSHYNIW
 KEVYDRGLQKSLVFEDDLRFEIFFKRRLMNLMRDVEREGLDWDLIYVGRKRMQVEHPEKAVPRVRNLVEA
 DYSYWTLAYVISLQGARKLLAAEPLSKMLPVDEF L PVMFDKHPVSEYKAHFSLRNLHAFSVEPLLIYPTH
 YTGDDGYVSDTETS VVWVNEHVKTWDRAKSQKMREQQALSREAKNSDVLQSPLDSAARDEL

SGP**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8114_e12.zip
Restriction Sites: SgfI-RsrII
Cloning Scheme:



ACCN: NM_024656
ORF Size: 1866 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_024656.2, NP_078932.2](#)
RefSeq Size: 3593 bp
RefSeq ORF: 1869 bp

Locus ID: 79709

UniProt ID: [Q8NBJ5](#)

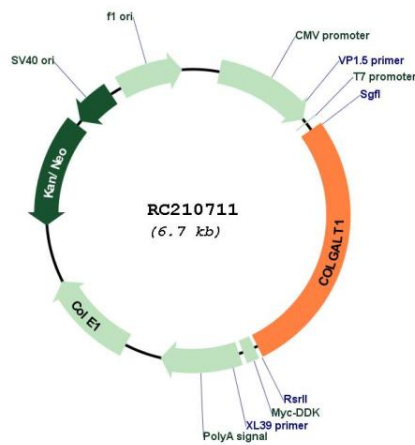
Cytogenetics: 19p13.11

Domains: Glyco_transf_25

MW: 71.5 kDa

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]

Product images:



Circular map for RC210711