

## Product datasheet for **SC305587**

### **B3GALT5 (NM\_033173) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	B3GALT5 (NM_033173) Human Untagged Clone
Tag:	Tag Free
Symbol:	B3GALT5
Synonyms:	B3GalT-V; B3GalTx; B3T5; beta3Gal-T5; GLCT5
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>&gt;NCBI ORF sequence for NM_033173, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGCTTTCCCGAAGATGAGATTGATGTATATTTGCCTTCTGGTTCTGGGGGCTCTTTGT TTGTATTTTAGCATGTACAGTCTAAATCCTTTCAAAGAACAGTCCTTTGTTTACAAGAAA GACGGGAACCTTCTTAAGCTCCAGATACAGACTGCAGGCAGACACCTCCCTTCTCGTC CTGCTGGTGACCTCATCCACAAACAGTTGGCTGAGCGCATGGCCATCCGGCAGACGTGG GGGAAAGAGAGGATGGTGAAGGGAAAGCAGCTGAAGACATTCTTCTCTGGGGACCACC AGCAGTGCAGCGAAACGAAAGAGGTGGACCAGGAGAGCCAGCGACACGGGGACATTATC CAGAAGGATTTCTAGACGTCTATTACAATCTGACCCTGAAGACCATGATGGGCATAGAA TGGGTCCATCGCTTTTGTCTCAGGCGGCGTTTGTGATGAAAACAGACTCAGACATGTTT ATCAATGTTGACTATCTGACTGAACTGCTTCTGAAGAAAAACAGAACACCAGGTTTTTC ACTGGCTTCTTGAACTCAATGAGTTTCCCATCAGGCAGCCATTAGCAAGTGGTTTGTG AGTAAATCTGAATATCCGTGGGACAGGTACCCACCATTCTGCTCCGGCACCGGCTACGTG TTTTCTGGCGACGTGGCGAGTCAGGTGTACAATGTCTCCAAGAGCGTCCCATACATTAA CTGGAAGACGTGTTTGTGGGGCTCTGCCTCGAAAGGCTGAACATCAGATTGGAGGAGCTC CACTCCAGCCGACCTTTTTTCCAGGGGGCTTACGCTTCTCCGTATGCCTCTTCAGGAGG ATCGTGGCCTGCCACTTCATCAAGCCTCGGACTCTCTGGACTACTGGCAGGCTCTAGAG AATTCGCGGGGAAGATTGTCCGCCTGTCTGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_033173
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).
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.



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<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>	<u>NM_033173.1, NP_149363.1</u>
<b>RefSeq Size:</b>	3409 bp
<b>RefSeq ORF:</b>	933 bp
<b>Locus ID:</b>	10317
<b>Cytogenetics:</b>	21q22.2
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycosphingolipid biosynthesis - globo series, Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways
<b>Gene Summary:</b>	<p>This gene encodes a member of a family of membrane-bound glycoproteins. The encoded protein may synthesize type 1 Lewis antigens, which are elevated in gastrointestinal and pancreatic cancers. Alternatively spliced transcript variants using multiple alternate promoters have been observed for this gene. [provided by RefSeq, Sep 2017]</p> <p>Transcript Variant: This variant (5) contains exons 1, 3, 4 and the intron between exons 3 and 4. It is expressed in trace amounts.</p>