

## Product datasheet for **SC124892**

### **B3GALTL (B3GLCT) (NM\_194318) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	B3GALTL (B3GLCT) (NM_194318) Human Untagged Clone
Tag:	Tag Free
Symbol:	B3GALTL
Synonyms:	B3GALTL; B3Glc-T; B3GTL; beta3Glc-T; Gal-T
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC124892 sequence for NM\_194318 edited (data generated by NextGen Sequencing)

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ATGCGGCCGCCCGCTGCTGGTGGCTGCTCGCGCCGCCGGCGCTGCTCGCGCTCCTCACC
TGCTCCCTGGCTTTTGGTTTGGCTTCTGAAGATACAAAGAAAGAGGTCAAGCAGTCTCAG
GATTTGGAGAAAAGTGGTATATCAAGGAAAAATGACATAGACTTAAAAGGAATTGTATTC
GTCATCCAGAGTCAAAGTAATTTTTCATGCAAAGAGAGCAGAGCAGTTAAAAAAAAGC
ATCTTAAAGCAGGCTGCAGATCTTACACAGGAGCTCCCCAGTGTCTCCTCCTTCATCAG
CTGGCTAAACAAGAAGGTGCATGGACCATACTCCGTTGTTACCGCACTTTTCTGTAACA
TATAGCAGAAATTCATCTTGGATTTTCTCTGTGAAGAAGAGACAAGAATACAGATTCCA
AAACTCTTGAAACCCCTCAGAAGATATGACCCCTCTAAGGAATGGTTTTTGGAAAAGCA
TTACATGATGAAGAAGCTACAATAATTCACCATATGCCTTTTCCGAGAATCCTACAGTT
TTTAAGTATCCAGACTTTGCTGCAGGCTGGGCCTAAGTATTCCACTTGTAAACAAGCTT
ACCAAGAGACTAAAGAGTGAATCCTTGAATCCGACTTTACAATAGATTTAAAACATGAG
ATTGCCCTCTACATCTGGGACAAAGGCGGAGGACCTCCCCTGACCCAGTGCCTGAGTTT
TGTACCAATGACGTGGACTTCTACTGTGCTACCACATTCCATTCTTTTCTACCGTTTGT
AGAAAGCCAGTGAAGAAGAAGGATATTTTGTGTCAGTAAAAACATGCAAGAAATTCAT
GGTGACAGAATACCTATTGTTAAGCAGACTTGGGAGAGCCAGGCAAGTCTCATTGAATAC
TATAGTGACTATACTGAAAATTCATTCCTACTGTGGATTTGGGAATTCCTAATACAGAT
AGAGGTCAATTGTGAAAAGACATTTGCCATTTTGGAAAAGATTTCTGAATCGTAGCCAGGAC
AAAACAGCATGGTTAGTCATTGTGGATGATGATACATTAATAAGTATCTCCAGGCTCCAG
CACTTGCTTAGCTGTTATGACTCCGGCGAGCCTGTGTTTCTGGGAGAGCGCTACGGCTAC
GGCCTGGGCACTGGTGGCTACAGCTACATCACGGGAGGAGGAGGAATGGTCTTCAGCAGA
GAAGCCGTCAGGAGACTTCTCGCCAGTAAATGTCGATGCTACAGCAATGATGCTCCCGAT
GATATGGTCTGGGAATGTGCTTTAGTGCTTGGGAATCCCTGTGACACACAGCCCTCTC
TTCCATCAGGCTCGGCCGGTGGATTACCCTAAGGACTACCTTTTTCATCAAGTTCCCAT
TCGTTCCACAAACACTGGAAATCGATCCAGTGAAGGTGATTTTACATGGTTGGCACCC
AGTGACGAAGACAAGCCAGGAGACACAGAAAGGTTTTTCGAGAGGAGTTATAA
    
```

Clone variation with respect to NM\_194318.3  
348 t=>c

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_194318 unedited

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ATATCCCCCGCCCGTTGNCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAG
CAGAGCTCATTTAGGTGACACTATAGAATAACAAGTACTTGTCTTTTTCAGCGGCCGC
GATTCGGCAGCAGAGGGCGGCGGAGACGGAGGGAGGGAGCCGGCAGAGAAGGGTCAGC
CGCGCCGGCAGGGCGGCGGCGGACGGCGCAGCTCCGCTCCCCGCGCGTCTCCCTTCCC
CGCGCCAGGTAGGGCGCTCAGCCTCCGCGCCAGGATGCGGCGCCCGCCCTGCTGGTGG
CTGCTCGCGCCGCGGCGCTGCTCGCGCTCCTCACCTGCTCCCTGGCTTTTGGTTTGGCT
TCTGAAGATACAAAGAAAGAGGTCAAGCAGTCTCAGGATTTGGAGAAAAGTGGTATATCA
AGGAAAAATGACATAGACTTAAAAGGAATTGTATTGTCATCCAGAGTCAAAGTAATTCT
TTTCATGCAAAGAGAGCAGAGCAGTAAANAAAAAGCATCTTANAGCAGGCTGCAGATCTT
ACACAGGAGCTCCCCAGTGTCTCCTCCTTTCATCAGCTGGCTAAACAAGAAGGTGCATGG
ACCATACTTCCGTTGNTACCGCACTTTTCTGTACATATAGCAGAAATTCATCTTGGATT
TTCTTTCTGTGAGAAGAGACCAGAATACAGATTCCAAACTCTTGAACACCCCTCAGAAG
ATATGACCCCTCTAAGGATTGGGTTTTGGGAAAGCATTACCTGATGANGAAGCTACAT
NATTCACCATTATGCCTTTTCCGAGAATCTACAGTTTTAAGTATCCAACCTTGTGTCAGC
TTGGCCCTTATATTTCCCTGGAACCAGCTACCAGAACTAAGAGGGATCTTTGAACCCGCC
TCACAATGATTAATAACTGAATGCC
    
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_194318

<b>Insert Size:</b>	3100 bp
<b>OTI Disclaimer:</b>	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>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><a href="#">NM_194318.2</a></u> , <u><a href="#">NP_919299.2</a></u>
<b>RefSeq Size:</b>	3467 bp
<b>RefSeq ORF:</b>	1497 bp
<b>Locus ID:</b>	145173
<b>UniProt ID:</b>	<u><a href="#">Q6Y288</a></u>
<b>Cytogenetics:</b>	13q12.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	The protein encoded by this gene is a beta-1,3-glucosyltransferase that transfers glucose to O-linked fucosylglycans on thrombospondin type-1 repeats (TSRs) of several proteins. The encoded protein is a type II membrane protein. Defects in this gene are a cause of Peters-plus syndrome (PPS).[provided by RefSeq, Mar 2009]