

## Product datasheet for **SC123465**

### SLC35A2 (BC035747) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35A2 (BC035747) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC35A2
Synonyms:	CDG2M; CDGX; UDP-Gal-Tr; UGALT; UGAT; UGT; UGT1; UGT2; UGTL
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for BC035747 edited  
 CCGGCCGGGCAGATGCCAACATGGCAGCGGTTGGGGCTGGTGGTCCACCGCGGCAGCCG  
 GGCCAGGGGGCGGTTCCGCGGGTGCATTGGAGCCGGGACCGCCAGTGGCGCTCACAGGC  
 GCCTGAAGTACATATCCCTAGCTGTGCTGGTGGTCCAGAATGCCTCCCTCATCTCAGCA  
 TCCGCTACGCCCGCACGTTGCCAGGGGACCGCTTCTTTGCCACCACTGCTGTGGTATGG  
 CGGAAGTGCTCAAAGGTCTCACCTGCCTGCTGCTCTTCGCACAGAAGAGGGGTAACG  
 TGAAGCACCTGGTCTCTCTCCATGAGGCTGTCTGGTGCAGTATGTGGACACGCTCA  
 AGCTCGCAGTGCCTCTCTCATCTACACCTTGCAAGTAACTCCAGTATGTTGCCATCT  
 CTAACCTACCAGCTGCCACTTCCAGCCTTCCCGAGGTGCAGCCAAAGCCATAGCCTCT  
 GCCTCTGCCTCCGCTCCGGGCCCTGCGTTCACCAGCAGCCTCCCGGGCAGCCACCACCA  
 CCGCAGCTGTCTCCACCGTGGAGACCTCATCACGGAGCCCTTCTGCCAAAGTCAGTG  
 CTGGTGAAGTGAGGGCTGGCAGCAATGGGGGACACAAGGGAGGGGGACTGGGTGGAGG  
 GTGTTGGGCATCTGCAGGACCAAGTCGCCACCCTCCGGGGCCTGGCTCCTCTGGGTTG  
 GGAGATGGTCTTTCTCCAGGTCAGTACTGAGACTTCTGGAGGGGTGGGACTAGAGCTGG  
 GTGTCACGTGAACCTTCTGGTGGGTGACCCCTTCCCTGGAGGGGTTTTAGAGCT  
 GCCGCTCTGCTCCCTAACCTTTGGAGGCAGGGTTGGGGATTGTTCATTCAAGGC  
 CTTTTTTTTGCTGCTCCCTCCCGACCCTGTGCCTTCTCTGGAGGTTTCTCGTCTGGG  
 AGAGTCCCTCCAGCAGTCCCTCCACCTCCATAAGGACACACTGGACAAAACCTCCCGCAG  
 CTCTTCAGGAATGACCGATGCCTACCTGTGGGGTTCAGTTGCCATAGTTTGAGGCCTTC  
 TCTCTCCCTTACCACCGCTCTGGATCATGTTACTAGTTCCGCTTTTTGTGTGGCCTTGG  
 GCCAGTTCCTTGATACCTTGAAGATGGGCTCCTGTGAGTCCCAGGGAGAAAGGGACA  
 AGAGTAAGATTTTTGCATCAGCCCTTCTGGCAGAAGGTGGTAGGGCCATTTGTTTT  
 TTTTAGTGGACTTGGGATTTGTGGTGAATCATATCATTAAATGATCCAGGGTGTGGGAAA  
 AATGGAGTCTTGAAGTGGCTGAATCTATTGATTTAAGACACTGTGAGTGGCAGAT  
 GTAGGCTTATTTTTGGAGATGTCTAGGAGAGGAAAAGCTACCAATCATACTCTTGATAT  
 CCGTCTGGCTGTGTGAGGCACCCCTACCTCATGGGGGTGTCTGGGATTGATGAAGTGTG  
 GAACCTGCCTCCTGCGCTCCCAAAGCTTATTAACCCCTAACTGTATCGGGGCGGGGTG  
 TGTGTGTGCATGGAAGATGCCTGGGCTGTCTTGTCTATATGTAATAGAGCCATTGGATC  
 TTTATTTTTGATTAATTTGTTCTGATTTTTTGGTTTTTTTTAAGGAAGTGAATGAAC  
 AAATGTCAGGATATCCAATGCCAAATAAAGATGTTGATTTTTTAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for BC035747 unedited  
 AGTTAGGATTTGTAACGACTTATATAGGCGGCCGACGATTCCCGGGATCGGGCCGGGCA  
 GATGCCAACATGGCAGCGGTTGGGGCTGGTGGTCCACCGCGGCCCGGGCCAGGGGCG  
 GTTCCGCGGGTGCATTGGAGCCGGGACCGCCAGTGGCGCTCACAGGCGCCTGAAGTAC  
 ATATCCCTAGCTGTGCTGGTGGTCCAGAATGCCTCCCTCATCTCAGCATCCGCTACGCC  
 CGCACGTTGCCAGGGGACCGCTTCTTTGCCACCACTGCTGTGGTATGGCGGAAGTGTCT  
 AAAGGTCTCACCTGCCTGCTGCTCTTTCGCACAGAAGAGGGTAACGTGAAGCACCTG  
 GTTCTCTCTCCATGAGGCTGTCTGGTGCAGTATGTGGACACGCTCAAGCTCGCAGTG  
 CCCTCTCTCATCTACACCTTGCAAGTAACTCCAGTATGTTGCCATCTCTAACCTACCA  
 GCTGCCACTTCCAGCCTTCCCGAGGTGCAGCCAAAGCCATAGCCTCTGCCTCTGCCTC  
 CGCTCCGGGCCCTGCGTTCACCAGCAGCCTCCCGGGCAGCCACCACCACCGCAGCTGTC  
 TTCCACCGTGGAGACCTCATCACGGAGCCCTTCTGCCAAAGTCAAGTGTGGTGAAGTG  
 AGGGCTGGCAGCAATGGGGGACACAAGGAGGGGGACTGGGGTGGAGGGTGTGGGGCAT  
 CTGCAGGACCCAGTCCGCACCCTCCGGGGCCTGGCTCCTCTGGGTTTGGGAGATGGTCT  
 TTTCTCCAGGTCAGTACTGAGACTTCTGGNAGGGTGGTGGGACTAGAGCTGGGTGTACGTC  
 AACCTTCCGGTAGGGTACCCCTTCCCTGGAGGGGGTTAGAGCTGCCGCTCTGTT  
 CCCTTAACTCTTTGGAGGCAGGG

**Restriction Sites:** Please inquire  
**ACCN:** BC035747

<b>Insert Size:</b>	1800 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>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>	<u><a href="#">BC035747.1</a></u> , <u><a href="#">AAH35747.1</a></u>
<b>RefSeq Size:</b>	1763 bp
<b>RefSeq ORF:</b>	726 bp
<b>Locus ID:</b>	7355
<b>Cytogenetics:</b>	Xp11.23
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a member of the nucleotide-sugar transporter family. The encoded protein is a multi-pass membrane protein. It transports UDP-galactose from the cytosol into Golgi vesicles, where it serves as a glycosyl donor for the generation of glycans. Mutations in this gene cause congenital disorder of glycosylation type II<sub>m</sub> (CDG2M). Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Oct 2014]</p>