

## Product datasheet for **SC319371**

### **POMGNT1 (NM\_017739) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	POMGNT1 (NM_017739) Human Untagged Clone
Tag:	Tag Free
Symbol:	POMGNT1
Synonyms:	gnT-I.2; GNTI.2; GnT I.2; LGMD2O; LGMDR15; MEB; MGAT1.2; RP76
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_017739.2  
 GGCCGGGGCGGGGCCGAAGCGGCATGGAGGAGGCGGAGGCCGCGGGCAGCCGGGCCGAG  
 CAGTGAGGGCCCTAGCGGGGCCGAGCGGGGCCGGGGCCCTAAGCCATTCTGAAGTC  
 ATGGGCTGGCCAGGACATTGGTGACCCGCCAATCCGGTATGGACGACTGGAAGCCCAGCC  
 CCCTCATCAAGCCCTTTGGGGCTCGGAAGAAGCGGAGCTGGTACCTTACCTGGAAGTATA  
 AACTGACAAACCAGCGGGCCCTGCGGAGATTCTGTGACACAGGGCCGTCTTTTCTGCTG  
 TGGTGACTGTCTTGTCAATATCAAGTTGATCCTGGACACTCGGGCAGCCATCAGTGAAG  
 CCAATGAAGACCCAGAGCCAGAGCAAGACTATGATGAGGCCCTAGGCCGCTGGAGCCCC  
 CACGGCGCAGAGGCAGTGGTCCCCGCGGGTCTGGACGTAGAGGTGATTCAAGTCGCA  
 GCAAAGTATATGTGGCAGTGGATGGCACCACGGTCTGGAGGATGAGGCCGGGAGCAGG  
 GCCGGGCATCCATGTCATTGCTCAACCAGGCCACGGGCCACGTGATGGCAAACGTG  
 TGTTTGACACGTAACCTCATGAGGATGAGGCCATGGTGTCTTCTCAACATGGTAG  
 CGCCCGCCGAGTGCTCATCTGCACTGTCAAGGATGAGGGCTCTTCCACCTCAAGGACA  
 CAGCCAAGGCTCTGCTGAGGAGCCTGGGCAGCCAGGCTGGCCCTGCCCTGGGCTGGAGGG  
 ACACATGGGCCTTCGTGGGACGAAAAGGAGGCTCCTGTCTTCGGGGAGAAACATTCTAAAT  
 CACCTGCCCTCTCTTCTGGGGGACCCAGTCCTGCTGAAGACAGATGTGCCATTGAGCT  
 CAGCAGTAGAGGCAGAGTGCCACTGGGCAGACACAGAGCTGAACCGTCGCCGCCGGCGCT  
 TCTGCAGCAAAGTTGAGGGCTATGGAAGTGTATGCAGCTGCAAGGACCCACACCCATCG  
 AGTTCAGCCCTGACCCACTCCCAGACAACAAGGTCCTCAATGTGCCTGTGGCTGTCTATTG  
 CAGGGAACCGACCCAATTACCTGTACAGGATGCTGCGCTCTCTGCTTTCAGCCCAGGGGG  
 TGCTCTCCTCAGATGATAACAGTTTTTATTGACGGCTACTATGAGGAACCCATGGATGTGG  
 TGGCACTGTTTGGTCTGAGGGGCATCCAGCATACTCCCATCAGCATCAAGAATGCCCGCG  
 TGCTCAGCACTACAAGGCCAGCCTCACTGCCACTTTCAACCTGTTTCCGGAGGCCAAGT  
 TTGCTGTGGTTCTGGAAGAGGACCTGGACATTGCTGTGGATTTTTTTCAGTTTTCTGAGCC  
 AATCCATCCACCTACTGGAGGAGGATGACAGCCTGTACTGCATCTCTGCCTGGAATGACC  
 AGGGGTATGAACACACGGCTGAGGACCCAGCACTACTGTACCGTGTGGAGACCATGCCTG  
 GGCTGGGCTGGGTGCTCAGGAGGTCCTTGTACAAGGAGGAGCTTGAAGCCAAAGTGGCCTA  
 CACCGGAAAAGCTCTGGGATTGGGACATGTGGATGCGGATGCCTGAACAACGCCGGGGCC  
 GAGAGTGATCATCCCTGACGTTTCCCGATCCTACCCTTTGGCATCGTCGGCCTCAACA  
 TGAATGGCTACTTTCACGAGGCCTACTTCAAGAAGCACAAGTTCAACACGGTTCCAGGTG  
 TCCAGCTCAGGAATGTGGACAGTCTGAAGAAAGAAGCTTATGAAGTGAAGTTCACAGGC  
 TGCTCAGTGAGGCTGAGGTTCTGGACCACAGCAAGAACCCTTGTGAAGACTCTTCTCTGC  
 CAGACACAGAGGGCCACACCTACGTGGCCTTTATTCTGAATGGAGAAAGATGATGACTTCA  
 CCACCTGGACCCAGCTTGCCAAGTGCCTCCATATCTGGGACCTGGATGTGCGTGGCAACC  
 ATCGGGGCTGTGGAGATTGTTTCGGAAGAAGAACCCTTCTGGTGGTGGGGTCCCAGG  
 CTTCCCTACTCAGTGAAGAAGCCACCCTCAGTACCCCAATTTTCTGGAGCCACCC  
 CAAAGGAGGAGGGAGCCCCAGGAGCCCCAGAACAGACATGAGACCTCCTCCAGGACCCTG  
 CGGGCTGGGTAAGTGTGTACCCAGGCTGGCTAGCCCTCCCTCCATCCTGTAGGATTT  
 TGTAGATGCTGGTAGGGGCTGGGCTACCTTGTTTTTAACATGAGACTTAATTAATAACT  
 CCAAGGGGAGGGTTCCCTGCTCCAACACCCCGTTCTGAGTAAAAGTCTATTTATTTA  
 CTTCTTGTGGAGAAGGCAGGAGGTACCTGGGAATCATTACGATCCCTAGCAGCTCA  
 TCCTGCCCTTTGAATACCCTCACTTTCCAGGCCTGGCTCAGAATCTAACCTATTTATTGA  
 CTGTCTGAGGGCCTTGAACAGGCGAACCTGGAGGGCCTGGATTTCTTTTTGGGCTG  
 GAATGCTGCCCTGAGGGTGGGCTGGCTCTTACTCAGGAACTGCTGTGCCCAACCCATG  
 GACAGGCCAGCTGGGGCCACATGCTGACACAGACTCACTCAGAGACCCTTAGACTG  
 GACCAGGCCTCCTCAGCCTTCTTTTGTCCAGATTTCAAAGCTGGATAAGTTGGTCA  
 TTGATTAATAAAGGAGAAGCCCTCTGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_017739

<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>	<a href="#">NM_017739.2</a> , <a href="#">NP_060209.2</a>
<b>RefSeq Size:</b>	2753 bp
<b>RefSeq ORF:</b>	1983 bp
<b>Locus ID:</b>	55624
<b>UniProt ID:</b>	<a href="#">Q8WZA1</a>
<b>Cytogenetics:</b>	1p34.1
<b>Domains:</b>	GNT-I
<b>Protein Pathways:</b>	O-Mannosyl glycan biosynthesis
<b>Gene Summary:</b>	<p>This gene encodes a type II transmembrane protein that resides in the Golgi apparatus. It participates in O-mannosyl glycosylation and is specific for alpha linked terminal mannose. Mutations in this gene may be associated with muscle-eye-brain disease and several congenital muscular dystrophies. Alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq, Feb 2014]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript and encodes the shorter isoform (1).</p>