

## Product datasheet for **SC320848**

### **B4GAT1 (NM\_006876) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	B4GAT1 (NM_006876) Human Untagged Clone
Tag:	Tag Free
Symbol:	B4GAT1
Synonyms:	B3GN-T1; B3GNT1; B3GNT6; BETA3GNTI; iGAT; iGNT; MDDGA13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_006876.2  
 CCGGCTTGC GGCCGCTGGCGTAGTCTGTGGCCGGGTGGTCTGTGCGCGCCCCGAGCC  
 CCGAGAGCCATGCAGATGCTCCTACGCCATCCGGTGC GCCTTCTACCAGCTGCTGTGGCC  
 GCGCTCATGCTGGTGGCGATGCTGCAGCTGCTCTACCTGTGCTGCTGTCCGGACTGCAC  
 GGGCAGGAGGAGCAAGACCAATATTTTGAGTTCTTTCCCCGTC CCCACGGTCCGTGGAC  
 CAGGTCAAGGCGCAGCTCCGCACCGCGCTGGCCTCTGGAGGCGTCTGGACGCTAGCGGC  
 GATTACCGCGTCTACAGGGGCTGCTGAAGACCACCATGGACCCCAACGATGTGATCCTG  
 GCCACGCACGCCAGCGTGGACAACCTGCTGCACCTGTGGGTCTGCTGGAGCGCTGGGAG  
 GGCCCGCTGTCCGTGTCCGTGTTTCGCGGCCACCAAGGAGGAGGCGCAGCTGGCCACGGTG  
 CTGGCCTACGCGCTGAGCAGCCACTGCCCGACATGCGCGCCAGGGTCCGCATGCACCTC  
 GTGTGCCCTCGCGTTACGAGGCAGCCGTGCCGACCCCGGGAGCCGGGGGAGTTTGCC  
 CTGCTGCGGTCTGCCAGGAGGTCTTTGACAAGCTAGCCAGGGTGGCCACGCCGGGATT  
 AATTATGCGCTGGGCACCAATGTCTCCTACCCCAATAACCTGCTGAGGAATCTGGCTCGT  
 GAGGGGGCCAACATATGCCCTGGTATCGATGTGGACATGGTGCCAGCGAGGGGTGTGG  
 AGAGGCCCTGCGGAAATGCTGGATCAGAGCAACCAGTGGGGAGGCACCGCTGGTGGTG  
 CCTGCCTTCGAAATCCGAAGAGCCCGCCCATGCCATGAACAAAAACGAGCTGGTGCAG  
 CTCTACCAGGTTGGCGAGGTGCGGCCCTTCTATTATGGGTTGTGCACCCCTGCCAGGCA  
 CCCACCAACTATTCGCTGGTCAACCTGCCGGAAGAGAGCTTGTGCGGCCCGCCTAC  
 GTGGTACCTTGGCAGGACCCCTGGGAGCCATTCTACGTGGCAGGAGGCAAGGTGCCACCC  
 TTCGACGAGCGCTTTCGCGAGTACGGCTCAACCGAATCAGCCAGGCCTGCGAGCTGCAT  
 GTGGCGGGGTTTGAATTTGAGGTCTGAACGAAGTTTCTGGTTCATAAGGGCTTCAA  
 GAAGCGTTGAAGTTCCATCCCCAAAAGGAGGCTGAAAATCAGCACATAAGATCCTATAT  
 CGCCAGTTCAAACAGGAGTTGAAGGCCAAGTACCCCAACTCTCCCGACGCTGCTGAGCC  
 CTTCCCTCCCTAATCTGAGAAGTCAGCCTCTTGGCTCCTCAGGCCACCATTTAGCCTG  
 ACTGGGGTAAGAAATGTGCTCCACTTTACAGAGGTAGCTGTGGTGTGAAACACTGGAC  
 TTGGATATGGGGTGTGGGATCGATTCTAGCTTTACCTAAGTACTAGCTGTGTGGCCTTG  
 AGTAAATCCCGTTACCTCTGAGCCTCGGTTACCCTGTCTGTA AAAAGGGAGGTGAGAA  
 TACCTACCTCACGGAAGTGGGAGGCTCAGATGAGATGCTATATGTGAAAACATTCTG  
 TAAGCTTCGTACAAATGTGAAGTATTAATATTATCGCAGTATTATTGTTGTTATTATTAT  
 TGTTATTATTAACAATCTGGGTGGGTAGTAGGAGAGCAAAAAGTATGAATGGGATGGAG  
 CTAAGAAGTCTGAATACTTAATGAAATGGACTTTTTGGAAGAAATCAGATGAAGGCATA  
 AAATTTAGTTCTTAGCTCTTGAACAGAAGCCTAAAATTCCTGGTTCTCTCAGGGCTTCGC  
 CTTCAAGGGTTCTGGAGGAGGGAAGGGTCTGCAGGTTCCATGGGTGACAGCCTGAGATCT  
 GTCCCTCAACGGGCTGGGCTGGGTATGTGCCTACCGATGACAATGTGTAATAAATGCG  
 TGTTACACCCAAAAA AAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_006876

**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.

**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).

<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_006876.2</a></u> , <u><a href="#">NP_006867.1</a></u>
<b>RefSeq Size:</b>	2077 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	11041
<b>UniProt ID:</b>	<u><a href="#">O43505</a></u>
<b>Cytogenetics:</b>	11q13.2
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycosphingolipid biosynthesis - lacto and neolacto series, Keratan sulfate biosynthesis, Metabolic pathways
<b>Gene Summary:</b>	This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II transmembrane protein. It is essential for the synthesis of poly-N-acetyllactosamine, a determinant for the blood group i antigen. [provided by RefSeq, Jul 2008]