

## Product datasheet for SC335369

### B3GAT3 (NM\_001288721) Human Untagged Clone

#### Product data:

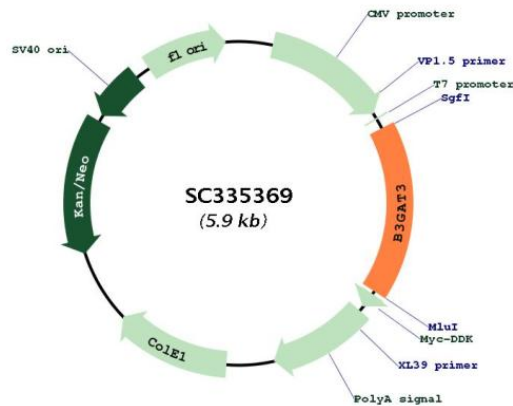
Product Type:	Expression Plasmids
Product Name:	B3GAT3 (NM_001288721) Human Untagged Clone
Tag:	Tag Free
Symbol:	B3GAT3
Synonyms:	GLCATI; glcUAT-I; JDSCD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335369 representing NM_001288721. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGATCGAACCTGCCCTTATGCAAAGATTTAGGGACAGTGCCACTGCGTTATCCTCAGGCCAGCCA
TGTGACTGCCTTCTCCCTGCGGGCAGCAGCCGAGCAGCTACGGCAGAAGGATCTGAGGATTTCCAG
CTGCAAGCGAACTCCGACGGCCACCCCTGCCCTGCCAGCCCTGAACCCGAGGCCCTGCCTACT
ATCTATGTTGTTACCCACCTATGCCAGGCTGGTACAGAAGGCAGAGCTGGTACGACTGTCCAGACA
CTGAGCCTGGTGCCTGCTGCTGCTGGTGGAGGATGCTGAGGGTCCCACCCGCTGGTCTCA
GGCTGCTGGCTGCCTCTGGCCTCTTACACACCTGGTGGTCTCACGCCAAAGCCAGCGGCTT
CGGGAGGGCAGCCTGGCTGGGTTATCCCGTGGTGTGAGCAGCGGAACAAGGCCTGGACTGGCTC
CGGGCAGAGGGGTGCTGTGGGTGGGAGAAGGACCCACCACCAGGGACCCAAAGGAGTCGTCTAC
TTTGCTGACGATGACAACACCTACAGCCGGGAGCTGTTTGAGGAGATGCGCTGGACCCGTGGTGTCTCA
GTGTGGCTGTGGGGCTGGTGGGCGCCTGCGATTGAGGGCCCTCAGGTACAGGACGGCCGGTAGTG
GGCTTCCACACAGCATGGGAGCCAGCAGGCCCTCCCTGTGGATATGGCTGGATTTGCCGTGGCCCTG
CCCTTGCTGTTAGATAAGCCCAATGCCAATTTGATCCACCGCTCCCGGGGCCACCTGGAGAGCAGT
CTTCTGAGCCACCTTGTGGATCCCAAGGACCTGGAGCCACGGCTGCCAACTGCACTCGGGTACTGGTG
TGGCATACTCGGACAGAGAAGCCCAAGATGAAGCAGGAGGAGCAGCTGCAGCGGCAGGGCCGGGGCTCA
GACCCAGCAATTGAGGTGTA
ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001288721

**Insert Size:** 987 bp

**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).

**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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_001288721.1](#)

**RefSeq Size:** 1896 bp

**RefSeq ORF:** 987 bp

**Locus ID:** 26229

**Cytogenetics:** 11q12.3

**Protein Families:** Transmembrane

<b>Protein Pathways:</b>	Chondroitin sulfate biosynthesis, Heparan sulfate biosynthesis, Metabolic pathways
<b>MW:</b>	36.3 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the glucuronyltransferase gene family, enzymes that exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. This gene product catalyzes the formation of the glycosaminoglycan-protein linkage by way of a glucuronyl transfer reaction in the final step of the biosynthesis of the linkage region of proteoglycans. A pseudogene of this gene has been identified on chromosome 3. [provided by RefSeq, Dec 2013]</p> <p>Transcript Variant: This variant (2) differs in its 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus, compared to isoform 1.</p>