

Product datasheet for **SC319206**

B3GAT3 (NM_012200) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: B3GAT3 (NM_012200) Human Untagged Clone
Tag: Tag Free
Symbol: B3GAT3
Synonyms: GLCATI; glcUAT-I; JDSCD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_012200.2
 CTGCTCGGGCGCGGGCGGGCGGCCATGAAGCTGAAGCTGAAGAACGTGTTTCTCGC
 CTACTTCTGGTGTGATCGCCGGCCTCCTCTACGCGCTGGTACAGCTCGGCCAGCCATG
 TGAAGTGCCTTCCCTCCCTGCGGGCAGCAGCCGAGCAGCTACGGCAGAAGGATCTGAGGAT
 TTCCAGCTGCAAGCGGAACCTCCGACGGCCACCCCTGCCCTGCCAGCCCCCTGAACC
 CGAGGCCCTGCCTACTATCTATGTTGTTACCCACCTATGCCAGGCTGGTACAGAAGGC
 AGAGCTGGTACGACTGTCCAGACACTGAGCCTGGTGCCTGGCTGCATTGGCTGCTGGT
 GGAGGATGCTGAGGGTCCCACCCGCTGGTCTCAGGGCTGCTGGCTGCCTCTGGCCTCCT
 CTTACACACCTGGTGGTCTCACGCCAAAGCCAGCGGCTTCGGGAGGGCGAGCCTGG
 CTGGGTTTCATCCCGTGGTGTGAGCAGCGGAACAAGGCCCTGGACTGGCTCCGGGGCAG
 AGGGGGTGTGTGGTGGGGAGAAGGACCACCACCAGGGACCCAAGGAGTCGTCTA
 CTTTGCTGACGATGACAACCTACAGCCGGGAGCTGTTTGAGGAGATGCCTGGACCCG
 TGGTGTCTCAGTGTGGCCTGTGGGGCTGGTGGGCGGCCTGCGATTGAGGGCCCTCAGGT
 ACAGGACGGCCGGGTAGTGGGCTTCCACACAGCATGGGAGCCAGCAGGCCCTTCCCTGT
 GGATATGGCTGGATTTGCCGTGGCCCTGCCCTTGTGTTAGATAAGCCCAATGCCCAATT
 TGATTCACCGCTCCCGGGGCCACCTGGAGAGCAGTCTTCTGAGCCACCTTGTGGATCC
 CAAGGACCTGGAGCCACGGGCTGCCAAGTCACTCGGGTACTGGTGTGGCATACTCGGAC
 AGAGAAGCCCAAGATGAAGCAGGAGGAGCAGCTGCAGCGGCAGGGCCGGGGCTCAGACC
 AGCAATTGAGGTGTGATGGCGGCCACCCCACTACCACCTTTTTAGGCACAGACCT
 TGTGGGACTGGGCCCCAGGCCTGCCAGGATGTGGTTTTTCAAGTCTGACCCCTGGAGC
 CAGAAGTGGCCCCCTGCCCTCCAGGCCAGGGCATGGTCTGCTGCTTCAACCCCTCCC
 CTAGCCTGCCGTGTGGCACTGCCACAGGCTGGGACAAGCAGCCCTTGTGTTGAGTCAG
 GTTGGCCCTGTCTAGGGTGAACAGAAGGACAGATGGACCCAGGAGGGAGGGCAGCTGAG
 TAACTGGGTAACCTATTGGGGCTGGGCATGCACTGGGGGGCTGGAGGAGCTGGGCTGGAC
 CCTTCCACCTGAGCATGCTGACCCCTTCTACCTCCAGAATAAAGAATCTCAACCTGG
 AA



[View online »](#)

Restriction Sites:	Please inquire
ACCN:	NM_012200
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).
Reconstitution Method:	<ol style="list-style-type: none"> 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_012200.2 , NP_036332.2
RefSeq Size:	1456 bp
RefSeq ORF:	1008 bp
Locus ID:	26229
UniProt ID:	O94766
Cytogenetics:	11q12.3
Domains:	Glyco_transf_43
Protein Families:	Transmembrane
Protein Pathways:	Chondroitin sulfate biosynthesis, Heparan sulfate biosynthesis, Metabolic pathways
Gene Summary:	<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 (1) encodes the longest isoform (1).</p>