

Product datasheet for **MC205845**

B3gnt7 (NM_145222) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B3gnt7 (NM_145222) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	B3gnt7
Synonyms:	beta-3GnT7; C330001H22Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031187
 CGTCCCGTGTCCCCAGCCGCGCGCTCAGAGCTGTGATCCGTGCGCCCCGCTCAGCTGCCCTGGACCGG
 GCCGCCATGTCTCTGTGGAAGAAAACCTCTACAAGAGTGTATGCCTGGCTCTGGCCCTCCTTGTGGCTG
 TCACCGTTTTCCAGCGCAGTGTGACCCCTGGTCAATTCCTTCAGGATCCTTTACCGCCACGCGGGGCC
 AGCCAAAACCTGGAATCTGGTCAACCCCAACAGCTTCTGGAAGAGTTCAAAGGATGTAGCGGCTCCCACT
 CCCACAGTTCCTCGGGGACCCAGGTCTGGGATGTGATCACCCTAACTGCTCTATCAACATCAACCTGA
 CCCATCAGCCCTGGTCCAGAGCTGGAGCCACACTCCGACAGTTTCTAGCCTATCGGCATTGCCGGTA
 TTTCCCATGTTGCTGAACCACCCAGAGAAGTGTGCTGGCGATGTCTATATGCTGGTGGTTGCAAGTCG
 GTCATCACACAGCATGACCGCCGAGAGGTCATTGTCAGACCTGGGGCCCAAGTGGGAGTCAGCGGGTT
 TGGGCAGGGTGCAGTGCAGTCTCTTCTGCTCGGCACAGCCTCAAGCAAGAGGAGCGAACCCTACTA
 TCAGCAGTGTGGCCTACGAGGACCGTCTCTATGCTGACATCCTACAGTGGGATTTCTTGACAGCTCC
 TTCAACCTGACCCCAAGGAGATCCACTTCTCAAGTGGCTCGACATTTACTGTCCCAACGTCCTTTCG
 TTTTCAAAGGTGATGATGATGCTTTGTCAACCCACCAACCTGCTCGAGTTTCTGTCTGACCGGCAGCC
 CCAGGAAAACCTATTTGTAGGTGATGTTCTGAAACATGCTCGGCCATCCGAAAAAAGATAACAATAAC
 TACATCCAGCCGTCATGTATGGTAAGGCCACCTACCCGCCATGCTGGTGGAGGGGGTTCTCATGT
 CTGGCAGCTTAGCTCGGCAACTCCACCATGCCTGTGACACACTGGAACCTTCCCTATTGATGATGCTT
 CCTGGGCATGTGCTTGGAGGTGCTGGGAGTGAAGCCACAGGCCACGAGGGCTTCAAGACCTTTGGCATC
 TCTCGGTCGGAAGCAGCCGGATGAACAAGGAACCGTCTTACCGGGCCATGCTTGTGGTACACAAGT
 TGCTCCCTGCCGAGTGTGGCCATGTGGGATCTGGTGCATAGCAATCTTACCTGTTCTGTCAAGTTCGG
 GGTGCTTAATGTTGCTGAGCCACCAGTGCCTTTGCTCGGGGATAACATGGCATTGTCTTTGGTCCCC
 TGCAGGAGGTGAAGGGTTTGGGCCCTCTGTGCCCTAGGTGTGGTACAGAGCCAGAGAGGGAC
 TCCAGAAAATCCAGAAAAGAGGTCCAGGAATAGCCAGAACTTCCCTGACTGGAGGTATCCGAGAACCT
 GGATCTCTCTACCTTGGCCCTTAGCCTGACCTCTTAGCCTGGTAGGAGGCCCTGGTGGACTCTAAAG
 GAACATTTGCTCAGGTACCTGAGCTAGACTGGCCCCAGTGGGTCTGTGGCTGCTTCTTGTCTCACAGG
 GAAGCCCCCTTCTGTGAAATGCCTCTGGCTCCCTGAGGGTCAAGCAGCCTTTGTGGGAGCTCAGGCCTG
 TGCAGGTCCACAGGTGTCCCCTGGCCACATTGCTGGACCTCCTAAGATAGGAGCTCTCTCCATAGGC
 CCTCAGCACAGCCCCAGGCTTGCCTGGAGTCAGCTGCCGAGGCATGGCTCCTGGCTCTGACTTCTTGT
 CCAGAAGCCTGACTGGCCGCTCTGACTACCTCAGCACTCTCTAAACCTCAGTGTGGGCTAGTGGCCAC
 CTTATGCCCTGACACAGAGCAAATAGCAGTGTCTCTGCACCCTGCCACCCACCCCAACCCCAACAA
 GGCACAGTGTCTTGTAGCATAGTCCAAGCCAAGTCTCACCTTTGGCACCTCACCAATACTGACTCCCTG
 GCCAGAACTGGCCGGATGGGCCCTAGATGTAGACATTCTTCTATTACTGTGAAATTTTATTATGAAGA
 ATTGGAAGGAGGCTTGGGAGGTGTGCCTTTCTGTACACTTCTTCTTACGAGCTAGCATCTTTACCA
 CTCACCCCTGCCTTTCAAGCCCTCCCCACTGACACCCCTACTTTTCTGGGGCTGCCAGATATTTTC
 CCCTGTGAAAGAAATACCACCTCCACCTCTGGCTGGGGTACCTGGAAAAGATGGAGGCATCTTCTCTAT
 TTTCTCAATAAAACAACCTGGTGTGTAAGGTGTCTGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_145222

Insert Size: 1194 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: [BC031187](#), [AAH31187](#)

RefSeq Size: 2367 bp

RefSeq ORF: 1194 bp

Locus ID: 227327

UniProt ID: [Q8K0J2](#)

Cytogenetics: 1 C5

Gene Summary: May be involved in keratane sulfate biosynthesis. Transfers N-acetylgalactosamine on to keratan sulfate-related glycans. May play a role in preventing cells from migrating out of the original tissues and invading surrounding tissues (By similarity).[UniProtKB/Swiss-Prot Function]