

Product datasheet for **MC207284**

Gcnt2 (NM_023887) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gcnt2 (NM_023887) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gcnt2
Synonyms:	5330430K10Rik; IGnT; IGnTA; IGnTB; IGnTC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207284 representing NM_023887 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCTCTTGAAGTACAGTCTTTTCAGCCTATCTCTCATTGCTGCCTTGATGCTTATGTTTATGTACG
ATAGAAAATTATGAAGAACTATCATTTCCCGAGGGCGGTTTCCAATATTCAGTCTTAGCGGAAGTCTG
CTTGCAGATGTTCAAGTGGGAGAGTTTTATACAGCGGACAGCGCACGGAAAACACCCTGGAAAACCTC
ACCTGCCCGAGTACAAGATTCAAACCACTACATAACAGAGACTCTCTCTGAAGAAGAAGCCCGCTTCC
CTCTGGCTTTACACTTACTATCCACAAAGATTATGACACTTTTCGAGAGACTCTTCAGGGCCATTTACAT
GCCCCAGAACGTCTACTGTGTGCACGTGGATAGTAAGGCGACAGACACCTTCAAAGAAGAGGTGCGGCAG
TTACTAAGCTGTTTCCCAATGCCTTCTGGCCTCTAGGATGGAGCCGGTGGTCTATGGTGGCTTCTCC
GGCTCAAAGCTGATCTGAACTGCATGAAAGATCTGGTGGCCTCCAAGATCCCCTGGAAATATGTCCTCAA
CACCTGCGGGCAGGACTTTCCTCTGAAAACCAAAAGAAATAGTTCAGTACCTGAAACGGTTTATTGGG
AAGAACCTCACCCAGGGGTGCTGCCTCCTGCACATGCAGTTGGAAGAACCAAGTACGTCCACCAGGAGC
TGTTAGACCATAAAAATCCCTACGTGCACAATACAGCAAGATTAAGCTCCCCACCTCACAACTGAC
CATTTACTTTGGCACTGCTTATGTGGCTCTCACACGGGAATTTGCTAACTTTGTCCTCAAAGACCAGCGT
TCAGTAGACTTAATCTCCTGGTCCAAGGACACGTATAGTCTGATGAGCACTTCTGGGTGACACTCAATA
GGATCCCTGGAGTCCCTGGCTCCATGCCACAAACGCATCCTGGACGGGTAACCTCAGAGCTGTGAAGTG
GATGGACATGGAAGCGAAGCATGGAGGCTGCCATGGTCACTACGTCCATGGCATTGTATCTATGGAAC
GGAGACTGCAAGTGGCTGATTAATTCGCAAAGCCTGTTTGCTAACAAATTTGAACTCAACACATACCCTC
TTACCGTGAATGCCTGGAAGTGGCTTCGAGAAAGAACTCAACCAGAGTGAGATCGCCATACAGCC
GAGCTGGTATTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_023887
Insert Size:	1206 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:	<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_023887.4 , NP_076376.3
RefSeq Size:	4361 bp
RefSeq ORF:	1206 bp
Locus ID:	14538
Cytogenetics:	13 20.12 cM
Gene Summary:	Branching enzyme that converts linear into branched poly-N-acetyllactosaminoglycans. Introduces the blood group I antigen during embryonic development. It is closely associated with the development and maturation of erythroid cells.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' exon which includes 5' UTR and 5' coding region, compared to variant 1. The resulting isoform (B) is of the same size but has a different N-terminus when compared to isoform A.