

Product datasheet for **SC331258**

MGAT5B (NM_001199172) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MGAT5B (NM_001199172) Human Untagged Clone
Tag:	Tag Free
Symbol:	MGAT5B
Synonyms:	GnT-IX; GnT-VB
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC331258 representing NM_001199172.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATCACCGTCAACCCCGATGGGAAGATAATGGTCAGAAGATGCCTGGTCACCCTGAGACCCTTTTCGG
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GGCCAGGTGGCCTGTGCCAGGGCTGTCTGTGA
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001199172

Insert Size: 2379 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_001199172.1
RefSeq Size:	4252 bp
RefSeq ORF:	2379 bp
Locus ID:	146664
UniProt ID:	Q3V5L5
Cytogenetics:	17q25.2
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
MW:	89.5 kDa
Gene Summary:	<p>The MGAT5B gene encodes a beta-1,6-N-acetylglucosaminyltransferase (EC 2.4.1.155) that functions in the synthesis of complex cell surface N-glycans (Kaneko et al., 2003 [PubMed 14623122]).[supplied by OMIM, Nov 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence and contains an alternate in-frame exon compared to variant 2. The resulting isoform (3) has a shorter and distinct N-terminus and lacks an internal 2 aa segment compared to isoform 2.</p>