

## Product datasheet for **KN200717RB**

### MGAT1 Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	MGAT1
Locus ID:	4245
Components:	<b>KN200717G1</b> , MGAT1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN200717G2</b> , MGAT1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN200717RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector

**Disclaimer:** These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

**RefSeq:** [NM\\_001114617](#), [NM\\_001114618](#), [NM\\_001114619](#), [NM\\_001114620](#), [NM\\_002406](#),  
[NM\\_001364390](#), [NR\\_157150](#), [NR\\_157151](#), [NM\\_001364379](#), [NM\\_001364380](#), [NM\\_001364384](#),  
[NM\\_001364386](#), [NM\\_001364388](#), [NM\\_001364391](#), [NM\\_001364392](#), [NM\\_001364393](#),  
[NM\\_001364394](#), [NM\\_001364377](#), [NM\\_001364381](#), [NM\\_001364382](#), [NM\\_001364383](#),  
[NM\\_001364385](#), [NM\\_001364387](#), [NM\\_001364389](#), [NM\\_001364395](#), [NR\\_157152](#), [NR\\_157153](#),  
[NR\\_157154](#)

**UniProt ID:** [P26572](#)

**Synonyms:** GLCNAC-TI; GLCT1; GLYT1; GNT-1; GNT-I; MGAT

**Summary:** There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. UDP-N-acetylglucosamine:alpha-3-D-mannoside beta-1,2-N-acetylglucosaminyltransferase I is a medial-Golgi enzyme essential for the synthesis of hybrid and complex N-glycans. The protein, encoded by a single exon, shows typical features of a type II transmembrane protein. The protein is believed to be essential for normal embryogenesis. Several variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]



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## Product images:

