

Product datasheet for **KN211183**

B3GALT5 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)
Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA: GFP-puro
Symbol: B3GALT5
Locus ID: 10317
Components: **KN211183G1**, B3GALT5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCCGTCTTTCTTGTAACAA
KN211183G2, B3GALT5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTATATTTGCCTTCTGGTTC
KN211183D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

GE100003, 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_001278650](#), [NM_006057](#), [NM_033170](#), [NM_033171](#), [NM_033172](#), [NM_033173](#),
[NM_001356336](#), [NM_001356338](#), [NM_001356339](#)

UniProt ID:

[Q9Y2C3](#)

Synonyms:

3-GalTase 5; B3GalT-V; B3GalTx; B3T5; beta-1; beta-3-Gx-T5; beta3Gal-T5; GLCT5

Summary:

This gene encodes a member of a family of membrane-bound glycoproteins. The encoded protein may synthesize type 1 Lewis antigens, which are elevated in gastrointestinal and pancreatic cancers. Alternatively spliced transcript variants using multiple alternate promoters have been observed for this gene. [provided by RefSeq, Sep 2017]

Product images:

