

Product datasheet for KN211183RB

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

B3GALT5 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: B3GALT5
Locus ID: 10317

Components: KN211183G1, B3GALT5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN211183G2, B3GALT5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN211183RBD**, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

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

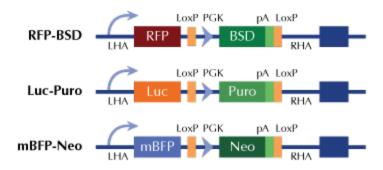
protein may synthesize type 1 Lewis antigens, which are elevated in gastrointestinal and pancreatic cancers. Alternatively spliced transcript variants using multiple alternate promoters have been observed for this gene. [provided by RefSeq, Sep 2017]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter