

## Product datasheet for **KN223942RB**

### **B3GALT6 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:	B3GALT6
Locus ID:	126792
Components:	<b>KN223942G1</b> , B3GALT6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN223942G2</b> , B3GALT6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN223942RBD</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\\_080605](#)

**UniProt ID:** [Q96L58](#)

**Synonyms:** beta3GalT6; EDSP2; SEMDJL1

**Summary:** The enzyme encoded by this intronless gene is a beta-1,3-galactosyltransferase found in the medial Golgi apparatus, where it catalyzes the transfer of galactose from UDP-galactose to substrates containing a terminal beta-linked galactose moiety. The encoded enzyme has a particular affinity for galactose-beta-1,4-xylose found in the linker region of glycosamines. This enzyme is required for glycosaminoglycan synthesis. [provided by RefSeq, Jun 2013]



[View online »](#)

## Product images:

