

## **Product datasheet for KN302341LP**

### OriGene Technologies, Inc.

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

## **C1galt1c1 Mouse Gene Knockout Kit (CRISPR)**

#### **Product data:**

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

**Donor DNA:** Luciferase-Puro

Symbol: C1galt1c1 Locus ID: 59048

**Components:** KN302341G1, C1galt1c1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN302341G2**, C1galt1c1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN302341LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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 021550

 UniProt ID:
 Q9|MG2

**Synonyms:** 1500002I11Rik; AB030184; C1GalT2; C81205; Cosmc

**Summary:** Probable chaperone required for the generation of 1 O-glycan Gal-beta1-3GalNAc-alpha1-

Ser/Thr (T antigen), which is a precursor for many extended O-glycans in glycoproteins. Probably acts as a specific molecular chaperone assisting the folding/stability of core 1 beta-

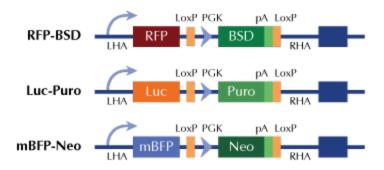
3-galactosyltransferase (C1GALT1) (By similarity).[UniProtKB/Swiss-Prot Function]





# **Product images:**

### Donor Vector Edited Chromosome



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