

# **Product datasheet for KN207761LP**

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## **ST3GAL2 Human 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: ST3GAL2 Locus ID: 6483

**Components:** KN207761G1, ST3GAL2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN207761G2, ST3GAL2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

**KN207761LPD**, 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:** <u>NM 006927</u>

UniProt ID: Q16842

**Synonyms:** Gal-NAc6S; SIAT4B; ST3GalA.2; ST3GALII

**Summary:** The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of

sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein is normally found in the Golgi but can be proteolytically processed to a soluble form. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor

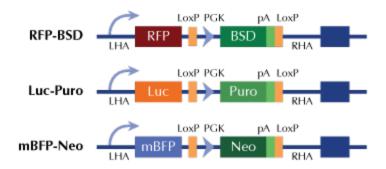
substrates as does sialyltransferase 4A. [provided by RefSeq, Jul 2008]





# **Product images:**

#### Donor Vector Edited Chromosome



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