

## Product datasheet for KN203776BN

#### OriGene Technologies, Inc.

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## CDw75 (ST6GAL1) Human Gene Knockout Kit (CRISPR)

#### **Product data:**

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

**Format:** 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo Symbol: CDw75 Locus ID: 6480

**Components: KN203776G1**, CDw75 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN203776G2**, CDw75 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN203776BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 003032</u>, <u>NM 173216</u>, <u>NM 173217</u>, <u>NM 001353916</u>

UniProt ID: <u>P15907</u>

Synonyms: SIAT1; ST6Gall; ST6N

**Summary:** This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type

Il membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to

galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has

been incorrectly referred to as CD75. Alternative splicing results in multiple transcript

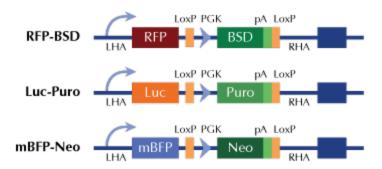
variants. [provided by RefSeq, Jul 2017]





# **Product images:**

### Donor Vector Edited Chromosome



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