

Product datasheet for KN219160BN

Product datasneet for KNZ19100biv

ST8SIA2 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-NeoSymbol:ST8SIA2

Locus ID: 8128

Components: KN219160G1, ST8SIA2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN219160G2, ST8SIA2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN219160BND, 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 006011</u>, <u>NM 001330416</u>

UniProt ID: 092186

Synonyms: HsT19690; SIAT8B; ST8SIA-II; STX

Summary: The protein encoded by this gene is a type II membrane protein that is thought to catalyze

the transfer of sialic acid from CMP-sialic acid to N-linked oligosaccharides and glycoproteins.

The encoded protein may be found in the Golgi apparatus and may be involved in the production of polysialic acid, a modulator of the adhesive properties of neural cell adhesion molecule (NCAM1). This protein is a member of glycosyltransferase family 29. [provided by

RefSeq, Jul 2008]



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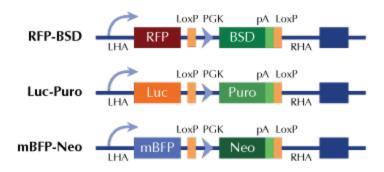
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Product images:

Donor Vector Edited Chromosome



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