

Product datasheet for KN208764LP

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ST8SIA4 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: ST8SIA4
Locus ID: 7903

Components: KN208764G1, ST8SIA4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN208764G2, ST8SIA4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN208764LPD, 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 005668</u>, <u>NM 175052</u>

UniProt ID: Q92187

Synonyms: PST; PST1; SIAT8D; ST8SIA-IV

Summary: The protein encoded by this gene catalyzes the polycondensation of alpha-2,8-linked sialic

acid required for the synthesis of polysialic acid, a modulator of the adhesive properties of

neural cell adhesion molecule (NCAM1). The encoded protein, which is a member of

glycosyltransferase family 29, is a type II membrane protein that may be present in the Golgi apparatus. Two transcript variants encoding different isoforms have been found for this

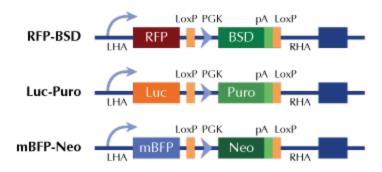
gene. [provided by RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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