

## Product datasheet for **KN208764RB**

### ST8SIA4 Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	ST8SIA4
Locus ID:	7903
Components:	<b>KN208764G1</b> , ST8SIA4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN208764G2</b> , ST8SIA4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN208764RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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\\_005668](#), [NM\\_175052](#)

**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]



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## Product images:

