

Product datasheet for **KN206314**

SULT4A1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	SULT4A1
Locus ID:	25830
Components:	KN206314G1 , SULT4A1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGCAAGTACTTCGAGTTCCA KN206314G2 , SULT4A1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGGGCGGCAGCCGCACGCCA KN206314D , donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 CTCCGGTTCC CAACGATC

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:

[NM_014351](#), [NM_176874](#)

UniProt ID:

[Q9BR01](#)

Synonyms:

BR-STL-1; BRSTL1; DJ388M5.3; hBR-STL-1; NST; SULTX3

Summary:

This gene encodes a member of the sulfotransferase family. The encoded protein is a brain-specific sulfotransferase believed to be involved in the metabolism of neurotransmitters. Polymorphisms in this gene may be associated with susceptibility to schizophrenia. [provided by RefSeq, Jul 2008]

Product images:

