

## Product datasheet for KN221638BN

## NDST1 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: NDST1

Locus ID: 3340

**KN221638G1**, NDST1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN221638G2, NDST1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN221638BND, 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: NM 001301063, NM 001543

**UniProt ID:** P52848

Synonyms: HSST; MRT46; NST1

Summary: This gene encodes a member of the heparan sulfate/heparin GlcNAc N-deacetylase/ N-

sulfotransferase family. The encoded enzyme is a type II transmembrane protein that resides

in the Golgi apparatus. The encoded protein catalyzes the transfer of sulfate from 3'phosphoadenosine 5'-phosphosulfate to nitrogen of glucosamine in heparan sulfate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]



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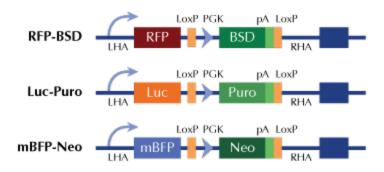
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# **Product images:**

### Donor Vector Edited Chromosome



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