

# Product datasheet for KN200419LP

## Syndecan 1 (SDC1) 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:	Syndecan 1
Locus ID:	6382
Components:	<ul> <li>KN200419G1, Syndecan 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN200419G2, Syndecan 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN200419LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</li> <li>GE100003, scramble sequence in pCas-Guide vector</li> </ul>
RefSeq:	<u>NM 001006946, NM 002997</u>
UniProt ID:	<u>P18827</u>
Synonyms:	CD138; SDC; SYND1; syndecan
Summary:	The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-1 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-1 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length natures of only two have been described to date. These two represent the major variants of this gene and encode the same protein. [provided by RefSeq, Jul 2008]

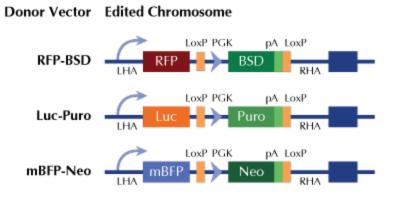


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#### **Product images:**



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

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