

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: | <p>KN200419G1, Syndecan 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200419G2, Syndecan 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200419LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p> |
| RefSeq: | NM_001006946 , NM_002997 |
| UniProt ID: | P18827 |
| Synonyms: | CD138; SDC; SYND1; syndecan |
| Summary: | <p>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 nature 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]</p> |



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Product images:

