

## Product datasheet for **KN216939RB**

### CD22 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:	CD22
Locus ID:	933
Components:	<b>KN216939G1</b> , CD22 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN216939G2</b> , CD22 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN216939RBD</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:	<a href="#">NM_001185099</a> , <a href="#">NM_001185100</a> , <a href="#">NM_001185101</a> , <a href="#">NM_001278417</a> , <a href="#">NM_001771</a>
UniProt ID:	<a href="#">P20273</a>
Synonyms:	SIGLEC-2; SIGLEC2
Summary:	Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules. [UniProtKB/Swiss-Prot Function]



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## Product images:

