

## Product datasheet for **KN203222RB**

### Calreticulin (CALR) 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:	Calreticulin
Locus ID:	811
Components:	<b>KN203222G1</b> , Calreticulin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN203222G2</b> , Calreticulin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN203222RBD</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_004343</a>
UniProt ID:	<a href="#">P27797</a>
Synonyms:	cC1qR; CRT; HEL-S-99n; RO; SSA
Summary:	Calreticulin is a highly conserved chaperone protein which resides primarily in the endoplasmic reticulum, and is involved in a variety of cellular processes, among them, cell adhesion. Additionally, it functions in protein folding quality control and calcium homeostasis. Calreticulin is also found in the nucleus, suggesting that it may have a role in transcription regulation. Systemic lupus erythematosus is associated with increased autoantibody titers against calreticulin. Recurrent mutations in calreticulin have been linked to various neoplasms, including the myeloproliferative type.[provided by RefSeq, May 2020]



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Product images:

