

## Product datasheet for **RC203222L1V**

### Calreticulin (CALR) (NM\_004343) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Calreticulin (CALR) (NM_004343) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Calreticulin
Synonyms:	cC1qR; CRT; HEL-S-99n; RO; SSA
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_004343
ORF Size:	1251 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203222).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004343.2</a>
RefSeq Size:	1929 bp
RefSeq ORF:	1254 bp
Locus ID:	811
UniProt ID:	<a href="#">P27797</a>
Cytogenetics:	19p13.13
Domains:	calreticulin
Protein Families:	Druggable Genome, Secreted Protein, Transcription Factors



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**Protein Pathways:** Antigen processing and presentation

**MW:** 48.1 kDa

**Gene 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]