

**Specifications:**

Gene:	caCD19
Accession:	XP_005621438
Insert size:	1690bp
Concentration:	10µg at 0.2µg/µL

**Description**

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

**Preparation and Storage**

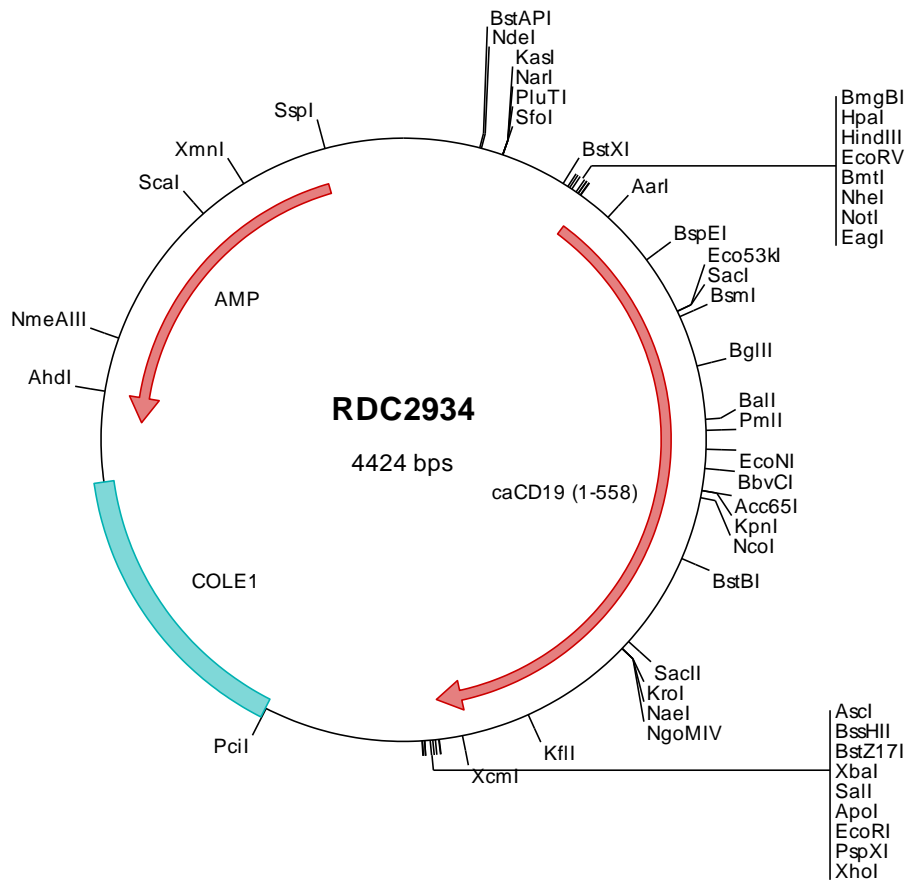
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

**caCD19 cDNA Plasmid**

**CD19 CD19 molecule [ *Canis lupus familiaris* (dog) ]**

**Summary:**

Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B-cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. CD19 is a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. CD19 forms a complex with CD21, CD81 and CD225 in the membrane of mature B-cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

**> RDC2934 Plasmid DNA Sequence**

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**> RDC2934 Translated Insert Sequence**

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