

Specifications:

Gene:	<i>cynoFLT3LG</i>
Accession:	XP_005589968.1
Insert size:	724bp
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

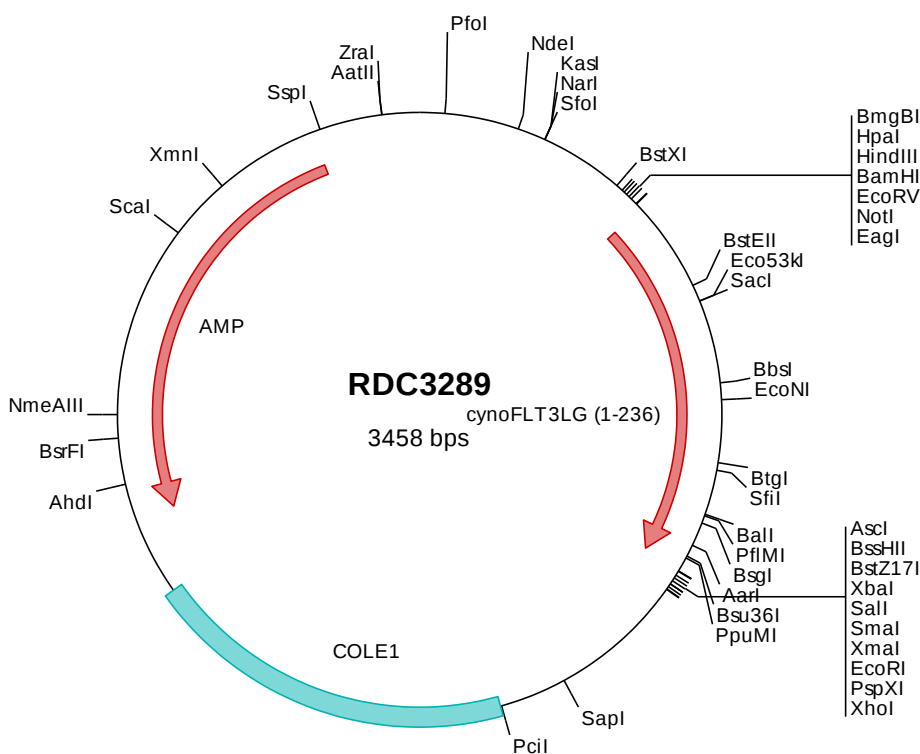
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

cynoFIt-3 Ligand/FLT3L cDNA Plasmid

**FLT3LG fms related receptor
tyrosine kinase 3 ligand [*Macaca
fascicularis* (crab-eating
macaque)]**

Summary:

FIt-3 Ligand is an alpha-helical cytokine. It is widely expressed in various human and mouse tissues. It is expressed as a noncovalently-linked dimer by T cells and bone marrow and thymic fibroblasts. It signals through the tyrosine kinase receptor FIt-3/Flk-2. FIt-3 Ligand induces the expansion of monocytes and immature dendritic cells as well as early B cell lineage differentiation. Additionally, FIt-3 Ligand synergizes with IL-3, GM-CSF, and SCF to promote the mobilization and myeloid differentiation of hematopoietic stem cells. FIt-3 Ligand also cooperates with IL-2, IL-6, IL-7, and IL-15 to induce NK cell development and with IL-3, IL-7, and IL-11 to induce terminal B cell maturation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3289 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggatgtgtcg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgacagtgc tagcgcacgc ctggagccca acaacctatc tctcctgtct
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601  tacctgtctc aagattaccc ggtcacctgt cctccaacc tgcaggacga ggagctctgc ggggccctct ggccgtgggt cctggcacag cgtggatgg
701  agcggctcaa gactgtgggt gggccaaga tgcaggctt gctggagcgc gtgaacacgg agatacaatt tgtcaccaaa tgtgcctttc agcaccctcc
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3301 ttgtctcatg agcggataca tatttgaatg tatttagaaa aataaacaata taggggttcc gcgcacattt ccccgaaaaa tgccacctga cgtctaagaa
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> RDC3289 Translated Insert Sequence

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201  atawclhwqr trrrtrpre qvppvpssqd lliveh

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