*m*Flt-3 Ligand/FLT3L VersaClone cDNA

Catalog Number: RDC3619

Specifications:

Gene:	*m*Flt3l
Accession:	NP_038548.3
Insert size:	712bp
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

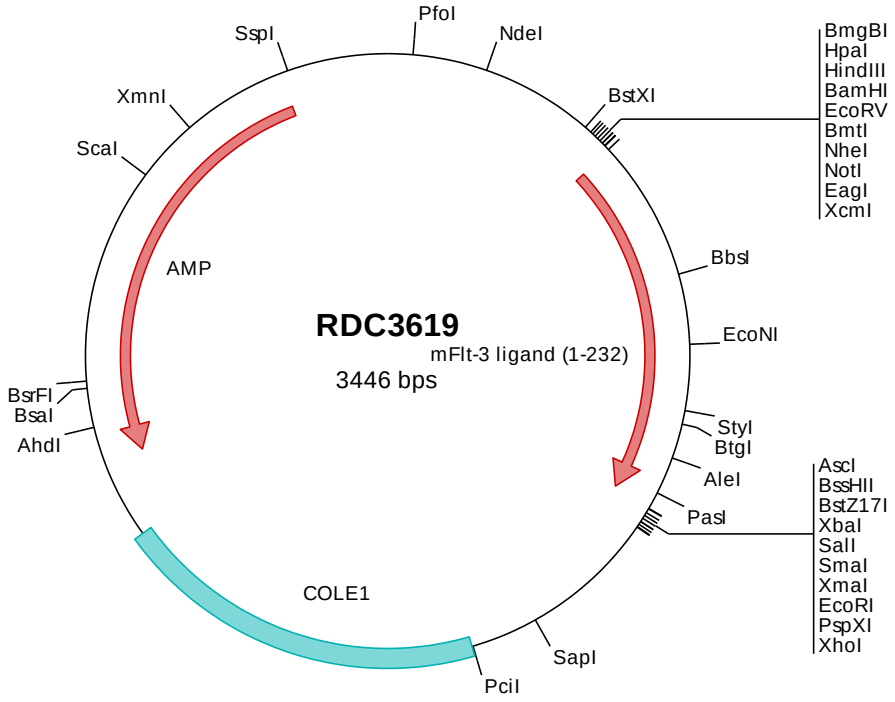
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*Flt-3 Ligand/FLT3L cDNA Plasmid

Flt3l FMS-like tyrosine kinase 3 ligand [*Mus musculus* (house mouse)]

Also known as: Ly72L; Flt3lg

Summary:
Flt-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 Flt-3/Flk-2. Flt-3 Ligand induces the expansion of monocytes and immature dendritic cells as well as early B cell lineage differentiation. Additionally, Flt-3 Ligand synergizes with IL-3, GM-CSF, and SCF to promote the mobilization and myeloid differentiation of hematopoietic stem cells. Flt-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.



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NOT FOR USE IN HUMANS

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> RDC3619 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgacagtgc tggcgccagc ctggagccca aattcctccc tgttgctgct
 501  gttgctgctg ctgagtcctt gcctgcgggg gacacctgac tgttacttca gccacagtcc catctcctcc aacttcaaag tgaagtttag agagttgact
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1601  cgtaaaaagg ccgcgttgct ggcgtttttc cataggctcc gcccccctga cgagcatcac aaaaatcgac gctcaagtca gaggtggcga aacccgacag
1701  gactataaag ataccaggcg tttcccccctg gaagctccct cgtgcgctct cctgttccga ccctgccgct taccggatac ctgtccgcct ttctcccttc
1801  gggaagcgtg gcgctttctc aatgctcacg ctgtaggtat ctcagttcgg tgtaggtcgt tcgctccaag ctgggctgtg tgcacgaacc ccccgttcag
1901  cccgaccgct gcgccttatc cggtaactat cgtcttgagt ccaacccggt aagacacgac ttatcgccac tggcagcagc cactggtaac aggattagca
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> RDC3619 Translated Insert Sequence

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101  dvnteihfvt sctfqplpec lrfvqtnish llkdtctqll alkpcigkac qnfsrclevq cqpdsstllp prspialeat elpeprprql lllllllpl
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