

Specifications:

Gene:	mFlt3
Accession:	NP_034359
Insert size:	3016bp
Concentration:	10µg at 0.2µg/µL

mFlt-3/Flk-2 cDNA Plasmid

Flt3 FMS-like tyrosine kinase 3 [*Mus musculus* (house mouse)]

Also known as: Flk2; Ly72; wmf1;
CD135; Flk-2; Flt-3

Summary:

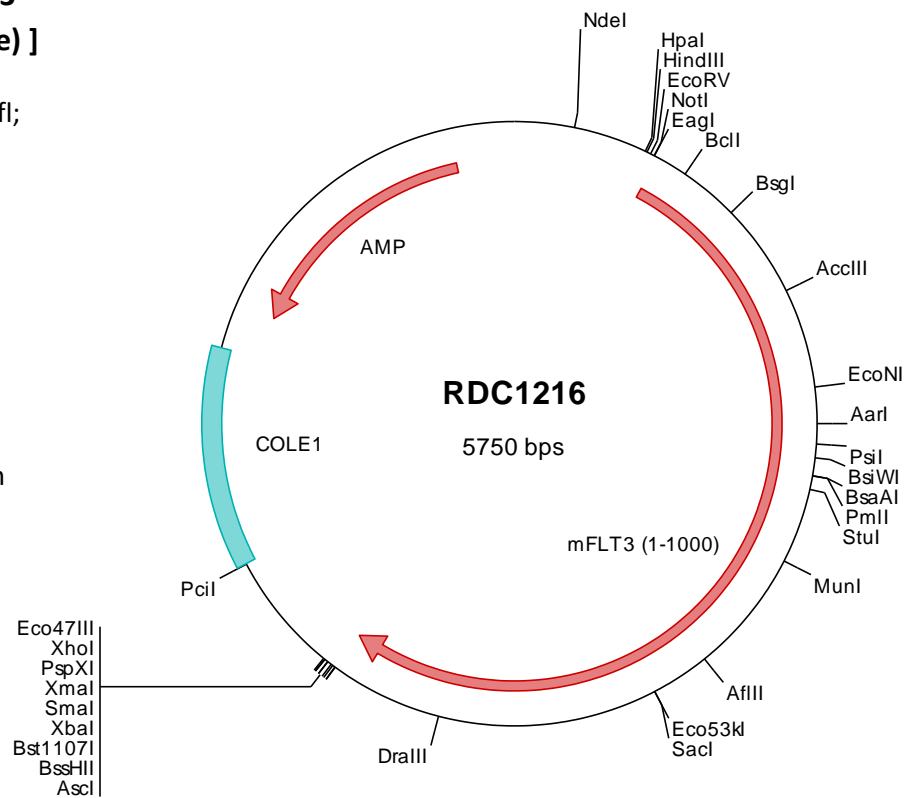
FLT3 is a class III receptor tyrosine kinase that regulates hematopoiesis. It is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. The activated receptor kinase subsequently phosphorylates and activates multiple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differentiation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of FLT3 result in acute myeloid leukemia and acute lymphoblastic leukemia.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1216 Plasmid DNA Sequence

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> RDC1216 Translated Insert Sequence

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