

Specifications:

Gene:	mKdr
Accession:	NP_034742
Insert size:	4051bp
Concentration:	10µg at 0.2µg/µL

**mVEGF R2/Flk-1
cDNA Plasmid**

Kdr kinase insert domain protein receptor [*Mus musculus* (house mouse)]

Also known as: Flk1; Ly73; Flk-1; Krd-1; VEGFR2; VEGFR-2; sVEGFR-2; 6130401C07

Summary:

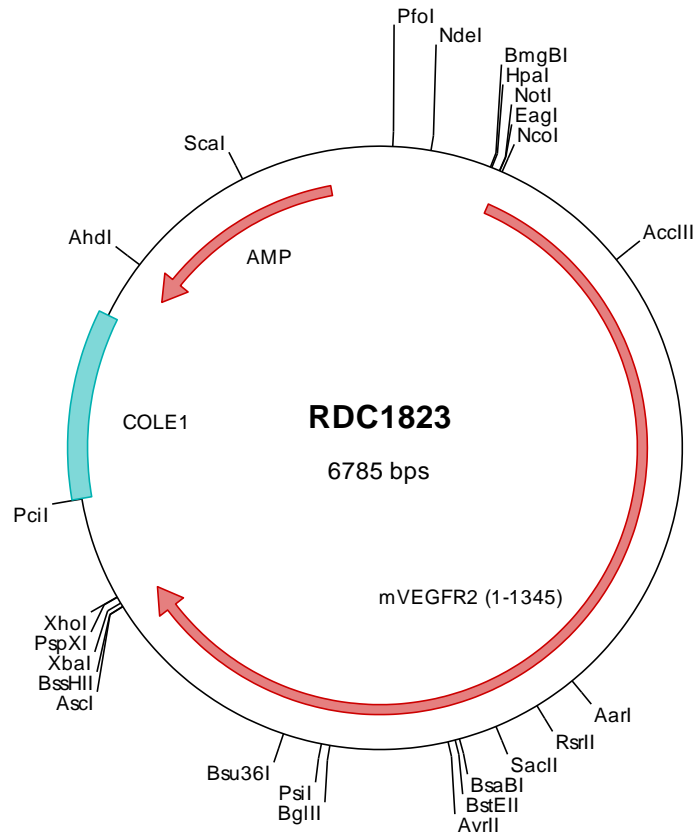
Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. VEGFR2 is one of the two receptors for VEGF. This receptor is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signaling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3 and T-cell protein tyrosine phosphatase.

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

> RDC1823 Plasmid DNA Sequence

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> RDC1823 Translated Insert Sequence

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