

## Product datasheet for **RC224406L2V**

### VEGF Receptor 1 (FLT1) (NM\_002019) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	VEGF Receptor 1 (FLT1) (NM_002019) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FLT1
Synonyms:	FLT; FLT-1; VEGFR-1; VEGFR1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002019
ORF Size:	4014 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224406).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_002019.2</a> , <a href="#">NP_002010.2</a>
RefSeq Size:	5777 bp
RefSeq ORF:	4017 bp
Locus ID:	2321
UniProt ID:	<a href="#">P17948</a>
Cytogenetics:	13q12.3
Domains:	ptkase, TyrKc, S_TKc, ig, IGv, IGc2, IG
Protein Families:	Druggable Genome, Protein Kinase, Secreted Protein



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**Protein Pathways:** Cytokine-cytokine receptor interaction, Endocytosis, Focal adhesion

**MW:** 150.77 kDa

**Gene Summary:** This gene encodes a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia.[provided by RefSeq, May 2009]