

Product datasheet for RC228438L3

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

VEGF Receptor 1 (FLT1) (NM_001160031) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: VEGF Receptor 1 (FLT1) (NM_001160031) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: VEGF Receptor 1

Synonyms: FLT; FLT-1; VEGFR-1; VEGFR1

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

Sgfl-Mlul

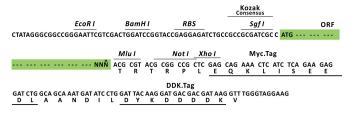
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC228438).

Sequence:

Restriction Sites:

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_001160031

ORF Size: 1623 bp



VEGF Receptor 1 (FLT1) (NM_001160031) Human Tagged Lenti ORF Clone - RC228438L3

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. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: NM 001160031.1, NP 001153503.1

RefSeq ORF: 1626 bp Locus ID: 2321

UniProt ID: P17948

Cytogenetics:

13q12.3 **Protein Families:** Druggable Genome, Protein Kinase, Secreted Protein

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

MW: 60.92 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

20091