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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FLT1 Pre-design Chimera RNAi

Catalog # : H00002321-R02

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor) (FLT1), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_002019

Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Application Image

RNAi Knockdown

Publication Reference

- dsCheck: highly sensitive off-target search software for double-stranded RNA-mediated RNA interference.
Naito Y, Yamada T, Matsumiya T, Ui-Tei K, Saigo K, Morishita S. *Nucleic Acids Res.* 2005 Jul 1;33(Web Server issue):W589-91.
- Functional dissection of siRNA sequence by systematic DNA substitution: modified siRNA with a DNA seed arm is a powerful tool for mammalian gene silencing with significantly reduced off-target effect.
Ui-Tei K, Naito Y, Zenno S, Nishi K, Yamato K, Takahashi F, Juni A, Saigo K. *Nucleic Acids Res.* 2008 Apr;36(7):2136-51. Epub 2008 Feb 11.
- Guidelines for the selection of highly effective siRNA sequences for mammalian and chick RNA interference.
Ui-Tei K, Naito Y, Takahashi F, Haraguchi T, Ohki-Hamazaki H, Juni A, Ueda R, Saigo K. *Nucleic Acids Res.* 2004 Feb 9;32(3):936-48. Print 2004.
- siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference.
Naito Y, Yamada T, Ui-Tei K, Morishita S, Saigo K. *Nucleic Acids Res.* 2004 Jul 1;32(Web Server issue):W124-9.

Applications

RNAi Knockdown

Gene Information

Entrez GeneID: [2321](#)

Gene Name: FLT1

Gene Alias: FLT, VEGFR1

Gene fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)

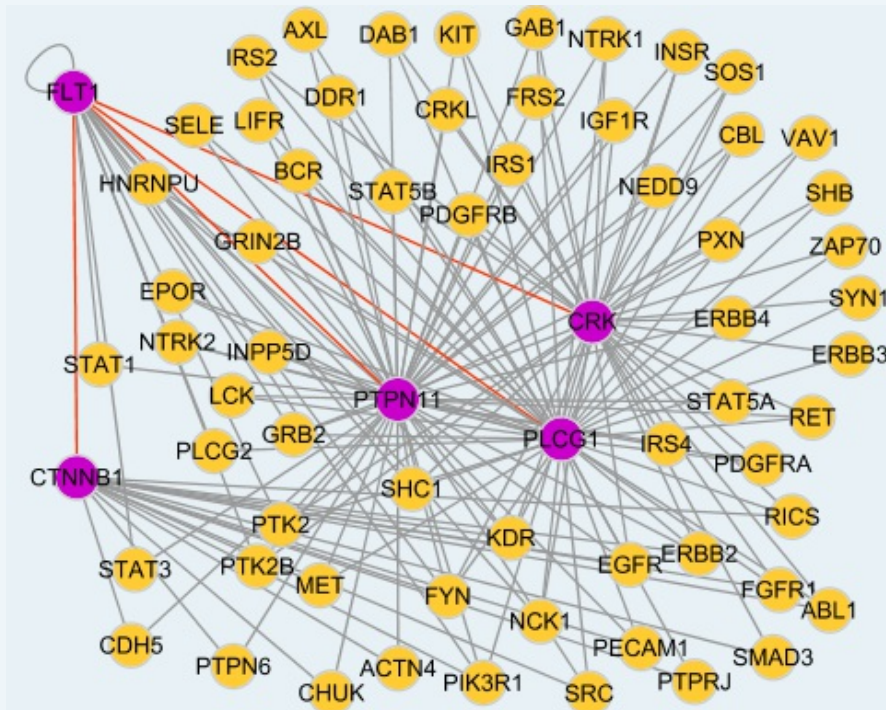
Omim ID: [165070](#)

Gene Ontology: [Hyperlink](#)

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

Other Designations: fms-related tyrosine kinase 1, soluble VEGF receptor 1-14, soluble VEGFR1 variant 2, soluble VEGFR1 variant 21, vascular endothelial growth factor/vascular permeability factor receptor

Interactome



Gene Pathway

[Cytokine-cytokine receptor interaction](#) [Endocytosis](#) [Focal adhesion](#)

Related Disease

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[Bronchial Hyperreactivity](#) [Cardiovascular Diseases](#) [Cell Transformation, Neoplastic](#)
[Chorioamnionitis](#) [Colorectal Neoplasms](#) [Diabetes Mellitus, Type 2](#) [Edema](#)
[Esophageal Neoplasms](#) [Fetal Growth Retardation](#) [Fetal Membranes, Premature Rupture](#)
[Genetic Predisposition to Disease](#) [Hypercholesterolemia](#) [Hypersensitivity, Immediate](#)
[Inflammation](#) [Kidney Failure, Chronic](#)

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