

# Recombinant Human KDR Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** KDR-31716THAF555    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 555 conjugated recombinant fragment: human soluble Vascular Endothelial Growth Factor Receptor 2 (sVEGFR2) was fused with the Fc part of human IgG1 and expressed in Insect cells. The recombinants VEGFR2/Fc is a disulfide-linked homodimeric protein, M.Wt of the monomer is
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain 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 signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.
<b>Form</b>	Lyophilized
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines

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With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

**Storage**

Shipped at 4 centigrade. Upon delivery aliquot and store at -20 or -80 centigrade. Avoid repeated freeze/thaw cycles.

**Storage Buffer**

PBS, pH 7.4

**Reconstitution**

PBS or medium to a concentration not lower than 50 µg/mL.

**Conjugation**

Alexa Fluor 555

## GENE INFORMATION

**Gene Name**

[KDR kinase insert domain receptor \(a type III receptor tyrosine kinase\) \[ Homo sapiens \]](#)

**Official Symbol**

[KDR](#)

**Synonyms**

KDR; kinase insert domain receptor (a type III receptor tyrosine kinase); vascular endothelial growth factor receptor 2; CD309; FLK1; VEGFR; VEGFR2;

**Gene ID**

[3791](#)

**mRNA Refseq**

[NM\\_002253](#)

**Protein Refseq**

[NP\\_002244](#)

**MIM**

[191306](#)

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