

# Recombinant Human KDR Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** KDR-31716THAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 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 647 via amines

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	Excitation = 650 nm Emission = 668 nm
<b>Storage</b>	Shipped at 4 centigrade. Upon delivery aliquot and store at -20 or -80 centigrade. Avoid repeated freeze/thaw cycles.
<b>Storage Buffer</b>	PBS, pH 7.4
<b>Reconstitution</b>	PBS or medium to a concentration not lower than 50 µg/mL.
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

<b>Gene Name</b>	KDR kinase insert domain receptor (a type III receptor tyrosine kinase) [ Homo sapiens ]
<b>Official Symbol</b>	KDR
<b>Synonyms</b>	KDR; kinase insert domain receptor (a type III receptor tyrosine kinase); vascular endothelial growth factor receptor 2; CD309; FLK1; VEGFR; VEGFR2;
<b>Gene ID</b>	3791
<b>mRNA Refseq</b>	NM_002253
<b>Protein Refseq</b>	NP_002244
<b>MIM</b>	191306
<b>UniProt ID</b>	P35968

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