

# Active Recombinant Mouse Kdr Protein, Fc/His-tagged, Alexa Fluor 647 conjugated

Cat. No. Kdr-1786MAF647 Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 conjugated recombinant mouse VEGFR2 encoding amino acid residues 1-762 of the extracellular domain was fused to the 6X his-tagged Fc of human IgG1 via the peptide (IEGRMD). The chimeric protein was expressed in NSO cells.
<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	1-762 a.a.
<b>Description</b>	Vascular endothelial growth factor receptor 2 (VEGF R2) is a transmembrane glycoprotein that is a member of a receptor tyrosine kinase family whose activation plays an essential role in a large number of biological processes such as embryonic development, wound healing, cell proliferation, migration, and differentiation.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	The biological activity of Mouse VEGFR2 was determined by its ability to inhibit the VEGF-dependent proliferation of human umbilical vein endothelial cells. The expected ED50 for this effect is typically 10-30 ng/mL in the presence of 5 ng/mL of rmVEGF.
<b>Molecular Mass</b>	166-191 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Endotoxin</b>	< 1.0 EU/ µg as determined by the LAL method
<b>Purity</b>	> 90 % by SDS-PAGE and analyzed by silver stain
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
<b>Stability</b>	This lyophilized protein is stable for 6 to 12 months when stored desiccated at -20 to -70 centigrade. After aseptic reconstitution, this protein may be stored at 2 to 8 centigrade for one month or at -20 to -70 centigrade in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.
<b>Storage</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20 to -70 centigrade. After aseptic reconstitution, this protein may be stored at 2 to 8 centigrade for one month or at -20 to -70 centigrade in a manual defrost freezer.
<b>Storage Buffer</b>	This recombinant protein was 0.2 µm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1 × PBS) pH 7.2-7.3 with no calcium, magnesium, or preservatives.
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Kdr kinase insert domain protein receptor [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Kdr</a>
<b>Synonyms</b>	Kdr; kinase insert domain protein receptor; Flk1; Ly73; Flk-1; Krd-1; VEGFR2;

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VEGFR-2; sVEGFR-2; 6130401C07; VEGF receptor-2; OTTMUSP00000023578; vascular endothelial growth factor receptor-2; vascular endothelial growth factor receptor-3; vascular endothelial growth factor receptor- 2; soluble vascular endothelial growth factor receptor 2; EC 2.7.10.1

**Gene ID** 16542

**mRNA Refseq** NM\_010612

**Protein Refseq** NP\_034742

**UniProt ID** P35918

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