

## Active Recombinant Mouse Kdr protein, mFc-tagged

**Cat. No.** Kdr-8115M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Kdr protein(Ala 20 - Glu 762), fused with mFc tag, was expressed in HEK293.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ala 20 - Glu 762
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5 with trehalose as protectant.
<b>Bio-activity</b>	<p>Immobilized Human VEGF165, premium grade at 2 µg/mL (100 µL/well) can bind Mouse VEGF R2 Protein, Mouse IgG2a Fc Tag with a linear range of 1-31 ng/mL.</p> <p>Immobilized ActiveMax Mouse VEGF120, Tag Free at 2 µg/mL (100 µL/well) can bind Mouse VEGF R2 Protein, Mouse IgG2a Fc Tag with a linear range of 1-31 ng/mL.</p> <p>Immobilized ActiveMax Mouse VEGF164, Tag Free at 2 µg/mL (100 µL/well) can bind Mouse VEGF R2 Protein, Mouse IgG2a Fc Tag with a linear range of 2-31 ng/mL.</p>
<b>Molecular Mass</b>	This protein carries a mouse IgG2a Fc tag at the C-terminusThe protein has a calculated MW of 110.1 kDa. The protein migrates as 120-135 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 0.1 EU per µg by the LAL method.

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<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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; vascular endothelial growth factor receptor 2; kinase NYK; VEGF receptor-2; fetal liver kinase 1; protein-tyrosine kinase receptor flk-1; 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; Flk1; Ly73; Flk-1; Krd-1; VEGFR2; VEGFR-2; sVEGFR-2; 6130401C07;
<b>Gene ID</b>	<a href="#">16542</a>
<b>mRNA Refseq</b>	<a href="#">NM_010612</a>
<b>Protein Refseq</b>	<a href="#">NP_034742</a>

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