Active Recombinant Rat KDR protein(Met1-Glu760), hFc-tagged

Cat. No. KDR-8718R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat KDR (AAH87029.1) (Met1-Glu760) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Glu760
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized mouse VEGF164 at 10 μg/ml (100 μl/well) can bind Rat KDR-Fc, The EC50 of Rat KDR-Fc is 0.07-0.15 μg/ml.
Molecular Mass	The recombinant Rat KDR comprises 982 amino acids and has a predicted molecular mass of 110 kDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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	be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	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

Gene Name	Kdr kinase insert domain receptor [Rattus norvegicus]
Official Symbol	KDR
Synonyms	KDR; kinase insert domain receptor; vascular endothelial growth factor receptor 2; FLK-1; fetal liver kinase 1; kinase insert domain protein receptor; protein-tyrosine kinase receptor flk-1; FLK1 kinase insert domain receptor (VEGF receptor 2); FLK1 kinase insert domain receptor (a type III receptor tyrosine kinase) (VEGF receptor 2); Vegfr-2; MGC93590;
Gene ID	25589
mRNA Refseq	NM_013062
Protein Refseq	NP_037194

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