

Active Recombinant Mouse Kdr protein, hFc-tagged

Cat. No. Kdr-7413M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Kdr protein(P35918)(Met1-Glu762), fused with hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Glu762
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Immobilized mouse VEGF164 (Cat:50159-MNAB) at 10 µg/ml (100 µl/well) can bind mouse KDR-Fc, The EC50 of mouse KDR-Fc is 0.11-0.27 µg/ml.
Molecular Mass	The recombinant mouse KDR /Fc comprises 984 amino acids and has a predicted molecular mass of 110 KDa. The apparent molecular mass of the protein is approximately 120 KDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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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 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 protein receptor [*Mus musculus*]

Official Symbol Kdr

Synonyms 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;

Gene ID 16542

mRNA Refseq NM_010612

Protein Refseq NP_034742

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