

Active Recombinant Mouse KDR protein(Met1-Glu762), His-tagged, Biotinylated

Cat. No. KDR-1378M Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Mouse KDR (P35918-1)(Met1-Glu762) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Glu762
Conjugation/Label	Biotin
Form	Lyophilized from sterile PBS. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1.Measured by its binding ability in a functional ELISA. 2.Immobilized Human VEGF165 at 10µg/mL (100µL/well) can bind biotinylated Mouse KDR, the EC50 of biotinylated Mouse KDR is 40-130ng/mL.
Molecular Mass	The recombinant Mouse KDR consists of 754 amino acids and predicts a molecular mass of 84.5 KDa.
Endotoxin	< 1.0 EU per µg 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.
Conjugation	Biotin
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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