Recombinant Mouse KDR Protein, His-tagged

Cat. No. KDR-947M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse KDR (P35918-1) extracellular domain (Met 1-Glu 762) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-762 a.a.
Predicted N Terminal	Ala 20
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse KDR consists of 754 amino acids and predicts a molecular mass of 84.5 KDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmKDR is approximately 100-110 KDa as a result of glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ 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 growt
Gene ID	16542
mRNA Refseq	NM_010612
Protein Refseq	NP_034742
MIM	
UniProt ID	
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Focal adhesion, organism-specific biosystem; Foca
Function	ATP binding; growth factor binding; growth factor binding; integrin binding; kinase activity; nucleotide binding; protein tyrosine kinase activity; receptor activity; transferase activity; vascular endothelial growth factor-activated receptor activity; va

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