

Recombinant Rat KDR Protein, His-tagged

Cat. No. KDR-1080R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat KDR (AAH87029.1) extracellular domain (Met 1-Glu 760) was expressed with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-760 a.a.
Predicted N Terminal	Ala 20
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant rat KDR comprises 752 amino acids and predicts a molecular mass of 84.3 kDa.
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 -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. 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°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 kinas

Gene ID [25589](#)

mRNA Refseq [NM_013062](#)

Protein Refseq [NP_037194](#)

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; growth factor binding; integrin binding; nucleotide binding; protein binding; protein tyrosine kinase activity; receptor activity; vascular endothelial growth factor-activated receptor activity; v

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