

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 -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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA