

# Recombinant Mouse Kdr Protein, Fc-tagged, FITC conjugated

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | FITC conjugated recombinant Mouse Kdr (P35918) (Met1- Glu762), fused with the Fc region of human IgG1 at the C-terminus, was produced in Human Cell.                                                                                   |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 984                                                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                           |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with FITC via amines<br>Excitation source: 488 nm spectral line, argon-ion laser<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 535 nm                                                 |
| <b>Stability</b>        | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                                                                         |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.       |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4                                                                                                                |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | FITC                                                                                                                                                                      |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Kdr kinase insert domain protein receptor [ Mus musculus ]</a>                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b> | <a href="#">Kdr</a>                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | <a href="#">16542</a>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | <a href="#">NM_010612</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>  | <a href="#">NP_034742</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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