

## Recombinant Rat KDR Protein, His-tagged, FITC conjugated

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

### SPECIFICATION

|                                     |                                                                                                                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | FITC conjugated recombinant rat KDR (AAH87029.1) extracellular domain (Met 1-Glu 760) was expressed with a polyhistidine tag at the C-terminus.                                        |
| <b>Species</b>                      | Rat                                                                                                                                                                                    |
| <b>Source</b>                       | HEK293                                                                                                                                                                                 |
| <b>ProteinLength</b>                | 752                                                                                                                                                                                    |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                            |
| <b>Molecular Mass</b>               | 84.3 kDa                                                                                                                                                                               |
| <b>N-terminal Sequence Analysis</b> | Ala 20                                                                                                                                                                                 |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                           |
| <b>Purity</b>                       | > 90 % as determined by SDS-PAGE                                                                                                                                                       |
| <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 |

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|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                          |
| <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 sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.                                                                                                                     |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. 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 receptor [ Rattus norvegicus ]</a>                                                                                                                                                                                         |
| <b>Official Symbol</b> | <a href="#">KDR</a>                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | 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 |
| <b>Gene ID</b>         | <a href="#">25589</a>                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | <a href="#">NM_013062</a>                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>  | <a href="#">NP_037194</a>                                                                                                                                                                                                                                       |

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