

## Active Recombinant Human KDR, Fc Chimera

**Cat. No.** KDR-236H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human KDR (Accession # AAC16450) was produced in Mouse myeloma cell line, NS0-derived.                                                                                                           |
| <b>Species</b>              | Human                                                                                                                                                                                                        |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                              |
| <b>Predicted N Terminal</b> | Ala20                                                                                                                                                                                                        |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.                                                                                                                             |
| <b>Bio-activity</b>         | Measured by its ability to inhibit the VEGF-dependent proliferation of HUVEC human umbilical vein endothelial cells. The ED50 for this effect is typically 10-40 ng/mL in the presence of 5 ng/mL rhVEGF165. |
| <b>Molecular Mass</b>       | Recombinant Human KDR, Fc Chimera has a calculated MW of 110 kDa (monomer). In SDS-PAGE migrates as 160-170 kDa, reducing conditions.                                                                        |
| <b>Purity</b>               | >90%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                  |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).                |
| <b>Reconstitution</b>       | Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine                                                                                                                            |

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serum albumin.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | KDR kinase insert domain receptor (a type III receptor tyrosine kinase) [ Homo sapiens ]                                                                                                                                                                                                         |
| <b>Official Symbol</b>     | KDR                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>            | KDR; kinase insert domain receptor (a type III receptor tyrosine kinase); vascular endothelial growth factor receptor 2; CD309; FLK1; VEGFR; VEGFR2; soluble VEGFR2; fetal liver kinase 1; fetal liver kinase-1; protein-tyrosine kinase receptor Flk-1; tyrosine kinase growth factor receptor; |
| <b>Gene ID</b>             | 3791                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_002253                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_002244                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>                 | 191306                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>          | P35968                                                                                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 4q11-q12                                                                                                                                                                                                                                                                                         |

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