

## Recombinant Human KDR protein, GST-tagged

**Cat. No.** KDR-3132H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KDR protein(P35968)(20-764aa), fused to N-terminal GST tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	20-764aa
<b>Form</b>	<p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>
<b>Molecular Mass</b>	110.3 kDa
<b>AA Sequence</b>	<p>ASVGLPSVSLDLPRLSIQKDILTIKANTTLQITCRGQRDLDWLWPNNQSGSEQRVEV  TECSDGLFCKTLTIPKVIGNDTGAYKCFYRETDLASVIYVYVQDYRSPFIASVSDQHG  VYYITENKNKTVVIPCLGSISNLNVSLCARYPEKRFVDPGNRISWDSKKGFTIPSYMIS  YAGMVFCEAKINDESYQSIMYIVVVVGYRIYDVVLSPSHGIELSVGEKLVLNCTARTE  LNVGIDFNWEYPSSKHQHKLVNRDLKTQSGSEMKKFLSTLTIDGVTRSDQGLYTC  AASSGLMTKKNSTFVRVHEKPFVAFGSGMESLVEATVGERVRIPAKYLGYPPEIKW  YKNGIPLESNHTIKAGHVLTIMEVSRDGTGNYTVILTNPISKEKQSHVVSLLVYVPPQI  GEKSLISPVDSYQYGTTQTLTCTVYAIPPPHHIHWYWQLEEECANEPSQAVSVTNPY  PCEEWRSVEDFQGGNKIEVNKNQFALIEGKNKTVSTLVIQAANVSALYKCEAVNKVG</p>

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RGERVISFHVTRGPEITLQPDMQPTEQESVSLWCTADRSTFENLTWYKLGQPPLPIH  
 VGELPTPVCKNLDTLWKLNATMFSNSTNDILIMELKNASLQDQGDYVCLAQDRKTKK  
 RHCVVRQLTVLERVAPTITGNLENQTTSIGESIEVSCTASGNPPPQIMWFKDNETLVE  
 DSGIVLKDGNRNLTIRRVKEDGLYTCQACSVLGCAKVEAFFIIEGAQEKTNLE

**Purity** Greater than 90% as determined by SDS-PAGE.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution** Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

## GENE INFORMATION

**Gene Name** KDR kinase insert domain receptor (a type III receptor tyrosine kinase) [ Homo sapiens ]

**Official Symbol** KDR

**Synonyms** 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;

**Gene ID** 3791

**mRNA Refseq** NM\_002253

**Protein Refseq** NP\_002244

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<b>MIM</b>	191306
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<b>UniProt ID</b>	P35968
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