

# Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) Recombinant Protein | VEGFR2 recombinant protein

Recombinant Vascular Endothelial Growth Factor Receptor 2 (VEGFR2)

|                               |                       |                                                                           |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA134686</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|

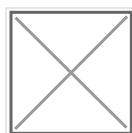
## PRODUCT SYNONYMS

Vascular Endothelial Growth Factor Receptor 2 (VEGFR2); Recombinant Vascular Endothelial Growth Factor Receptor 2 (VEGFR2); VEGFR2 recombinant protein

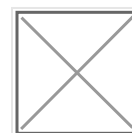
## PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification                                    | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Format                                            | Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence                                               | Thetargetp roteinisfu sedwithN-t erminalHis -Tag,itsse quenceisli stedbelow.<br>MGHHHH HHSGSEF-NT TLQITCRGQR DLDWLWPNNQ SGSEQRVEVT ECSDGLFCKT LTIPKVIGND<br>TGAYKCFYRE TDLASVIYVY VQDYRSPFIA SVSDQHGVVY ITENKNKTVV IPCLGSISNL NVSLCARYPE<br>KRFVPDGNRI SWDSKKGFTI PSYMISYAGM VFCEAKINDE SYQSIMYIVV VVGRIYDVV LSPSHGIELS<br>VGEKLVNCT ARTELNVGID FNWEYPSSKH QHKKLVNRL KTQSGSEMKK FLSTLTIDGV TRSDQGLYTC<br>AASSGLMTKK NST                                                                                                                                                                                                  |
| Sequence Length                                        | 1356                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applicable Applications for VEGFR2 recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Organism                                               | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Expression System                                      | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Residues                                               | Asn46~Thr320 (Accession # P35968) with N-terminal His-Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Endotoxin Level                                        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reconstitution                                         | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage                                | Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |

## IMAGES



Application Data



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 11321597                                                                                                                                                                                  |
| NCBI GeneID                      | 3791                                                                                                                                                                                      |
| NCBI Accession #                 | NP_002244.1                                                                                                                                                                               |
| NCBI GenBank Nucleotide #        | NM_002253.2                                                                                                                                                                               |
| UniProt Accession #              | P35968; O60723; Q14178; A2RRS0; B5A925; C5IFA0                                                                                                                                            |
| Molecular Weight                 | 32.4kDa                                                                                                                                                                                   |
| NCBI Official Full Name          | vascular endothelial growth factor receptor 2                                                                                                                                             |
| NCBI Official Synonym Full Names | kinase insert domain receptor (a type III receptor tyrosine kinase)                                                                                                                       |
| NCBI Official Symbol             | KDR                                                                                                                                                                                       |
| NCBI Official Synonym Symbols    | FLK1; CD309; VEGFR; VEGFR2                                                                                                                                                                |
| NCBI Protein Information         | vascular endothelial growth factor receptor 2; soluble VEGFR2; fetal liver kinase 1; fetal liver kinase-1; protein-tyrosine kinase receptor Flk-1; tyrosine kinase growth factor receptor |
| UniProt Protein Name             | Vascular endothelial growth factor receptor 2                                                                                                                                             |
| UniProt Gene Name                | KDR                                                                                                                                                                                       |
| UniProt Synonym Gene Names       | FLK1; VEGFR2; VEGFR-2; FLK-1; KDR                                                                                                                                                         |
| UniProt Entry Name               | VGFR2_HUMAN                                                                                                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/kdr-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134686>