

# Cynomolgus VEGFR2 Protein; His Tag

## Product Information

|                        |                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>    | Cynomolgus VEGFR2 Protein; His Tag                                                                                                                                                         |
| <b>Storage temp</b>    | Store at $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| <b>Catalog# / Size</b> | GM-88978RP-100 / 100 $\mu\text{g}$<br>GM-88978RP-1000 / 1 mg                                                                                                                               |

## Protein Information

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternative Names</b>  | KDR, CD309, FLK1, VEGF R2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>             | Cynomolgus VEGFR2 Protein; His Tag (GM-88978RP) is expressed from human 293 cells (HEK-293). It contains AA Ala 20 - Glu 764 (Accession # F7E313). This protein carries a His tag at the C-terminus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>             | > 90% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Endotoxin</b>          | < 1 EU/ $\mu\text{g}$ , determined by LAL gel clotting assay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Predicted Mol Mass</b> | 84.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied as a 0.2 $\mu\text{m}$ filtered solution of PBS, pH 7.2–7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>        | <p>VEGFR2 (Vascular Endothelial Growth Factor Receptor 2) is a key tyrosine kinase receptor in vascular endothelial cells. It binds to VEGF, activating pathways like PI3K/AKT and MAPK to regulate angiogenesis, vascular permeability, cell proliferation, and migration. VEGFR2 is crucial for embryonic development and tumor growth, with abnormal expression linked to tumor angiogenesis and invasion, making it a key anti-angiogenesis target.</p> <p>Composed of extracellular, transmembrane, and intracellular domains, VEGFR2 shows abnormal expression in conditions like cancer and ocular diseases. Targeted inhibitors, such as tyrosine kinase inhibitors and antibody drugs, are widely used in clinical therapies, marking VEGFR2 as a focus for cancer and anti-angiogenesis drug research.</p> |

## Figures

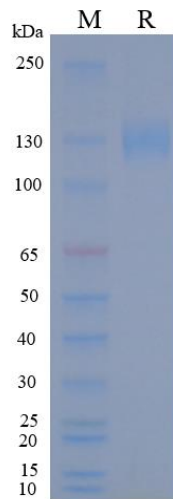


Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

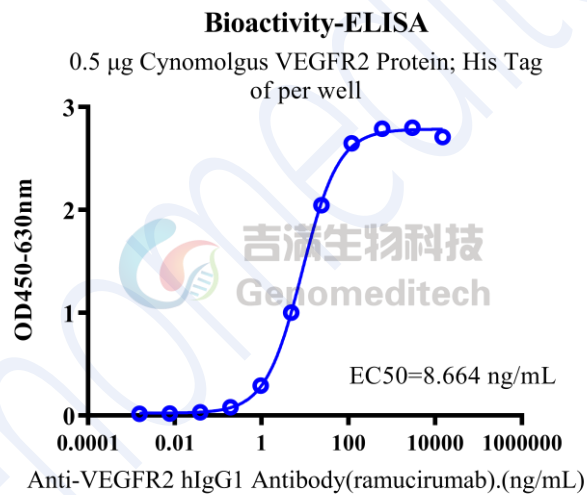


Figure 2 | Cynomolgus VEGFR2 Protein; His Tag (Catalog # GM-88978RP) was immobilized at 5 µg/ml (100 µL/well). Increasing concentrations of Anti-VEGFR2 hIgG1 Antibody(ramucirumab) (Catalog # GM-80717AB) were added.

## Related Products

| VEGF:VEGFR                                                      |                                                                 |
|-----------------------------------------------------------------|-----------------------------------------------------------------|
| <a href="#">H_VEGF Reporter 293 Cell Line</a>                   | <a href="#">H_VEGF Reporter 293 DDX35TM Cell Line</a>           |
| <a href="#">H_VEGFR1 CHO-K1 Cell Line</a>                       | <a href="#">H_VEGFR1 HEK-293 Cell Line</a>                      |
| <a href="#">Membrane Bound H_VEGF165 CHO-K1 Cell Line</a>       | <a href="#">Mouse PDL1 VEGFA KO CT26 Cell Line</a>              |
| <a href="#">Anti-mouse VEGFR-2 mIgG2a Antibody(DC101)</a>       | <a href="#">Anti-mouse VEGFR-2 RIgG1 Antibody(DC101)</a>        |
| <a href="#">Anti-Mouse_PD1×VEGF hIgG1 Bispecific Antibody</a>   | <a href="#">Anti-VEGF hIgG1 Antibody(Bevacizumab)</a>           |
| <a href="#">Anti-VEGF hIgG1 Reference Antibody (Bevbio)</a>     | <a href="#">Anti-VEGF×PD1 hIgG1 Reference Antibody (Ivobio)</a> |
| Anti-VEGF×PD-L1 hIgG1 Bispecific Antibody (Pumibio)             | <a href="#">Anti-VEGFR-1 hIgG1 Antibody (Icrucumab)</a>         |
| <a href="#">Anti-VEGFR2 hIgG1 Antibody(ramucirumab)</a>         | Anti-VEGF×PD-L1 hIgG1 Bispecific Antibody (punitamig)           |
| <a href="#">Biotinylated Human VEGF110 Protein; His-Avi Tag</a> | <a href="#">Biotinylated Human VEGF121 Protein; His-Avi Tag</a> |
| <a href="#">Biotinylated Human VEGFR2 Protein; His-Avi Tag</a>  | Cynomolgus VEGFR1 Protein; His Tag                              |
| <a href="#">Human VEGF110 Protein; His Tag</a>                  | <a href="#">Human VEGF121 Protein; His Tag</a>                  |
| <a href="#">Human VEGF165 Protein; His Tag</a>                  | <a href="#">Human VEGFR1 Protein; His Tag</a>                   |
| <a href="#">Human VEGFR2 Protein; hFc Tag</a>                   | <a href="#">Human VEGFR2 Protein; His Tag</a>                   |
| <a href="#">Mouse VEGF120 Protein; His Tag</a>                  | <a href="#">Mouse VEGF164 Protein; His Tag</a>                  |
| <a href="#">Mouse VEGFR2 Protein; His Tag</a>                   |                                                                 |