

# Rhesus macaque VEGF R2/KDR Protein

Cat. No. VGF-CM1R2

## Description

<b>Source</b>	Recombinant Rhesus macaque VEGF R2/KDR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala20-Glu764.
<b>Accession</b>	F7E313
<b>Molecular Weight</b>	The protein has a predicted MW of 84.37 kDa. Due to glycosylation, the protein migrates to 115-145 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

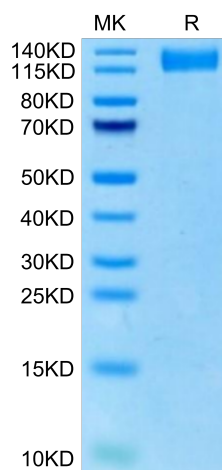
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Tyrosine-protein kinase that acts as a cell-surface receptor for VEGFA, VEGFB and PGF, and plays an essential role in the development of embryonic vasculature, the regulation of angiogenesis, cell survival, cell migration, macrophage function, chemotaxis, and cancer cell invasion. The tyrosine kinase receptor vascular endothelial growth factor receptor 2 (VEGFR2) is a key regulator of angiogenesis.

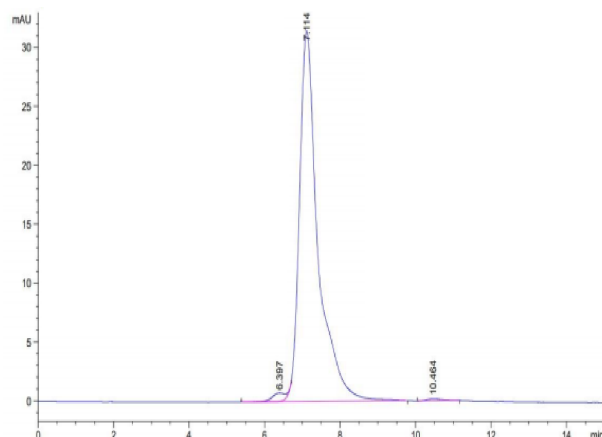
## Assay Data

### Bis-Tris PAGE



Rhesus macaque VEGF R2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



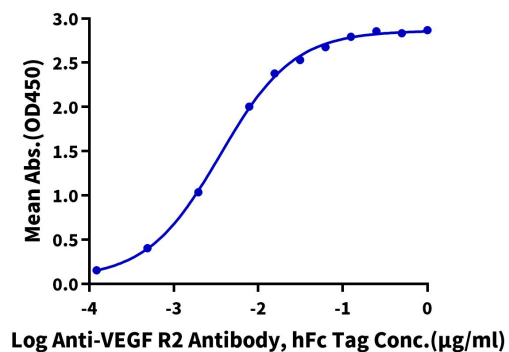
The purity of Rhesus macaque VEGF R2 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Rhesus macaque VEGF R2, His Tag ELISA**

0.05µg Rhesus macaque VEGF R2, His Tag Per Well



Immobilized Rhesus macaque VEGF R2, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-VEGF R2 Antibody, hFc Tag with the EC50 of 3.6ng/ml determined by ELISA (QC Test).