

# Human VEGF R3/FLT4 Protein

Cat. No. VGF-HM2R3

## Description

<b>Source</b>	Recombinant Human VEGF R3/FLT4 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Tyr25-Ile776.
<b>Accession</b>	P35916-1
<b>Molecular Weight</b>	The protein has a predicted MW of 111.3 kDa. Due to glycosylation, the protein migrates to 135-155 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

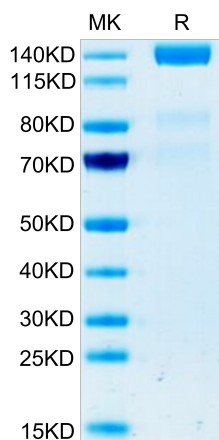
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in 50mM Tris, 150mM NaCl, 100mM Glycine (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Vascular endothelial growth factor (VEGF) and its receptors VEGF-R1, -R2 and -R3 play important roles in tumor angiogenesis and are associated with poor prognosis in several solid tumors. VEGF-R1, -R2 and -R3 were highly expressed in CRC cells and stromal vessels. VEGF-R1 strong positive staining correlated with shorter survival after CRC surgery.

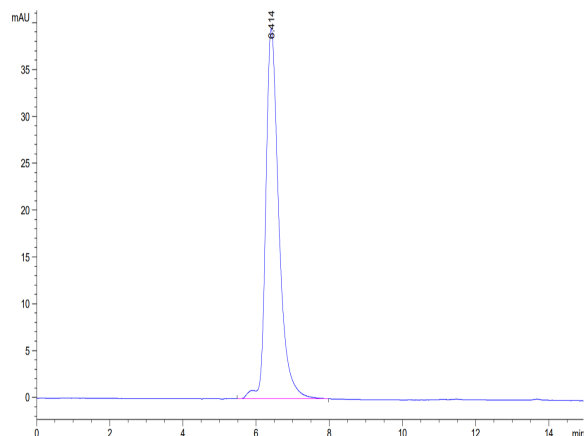
## Assay Data

### Bis-Tris PAGE



Human VEGF R3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



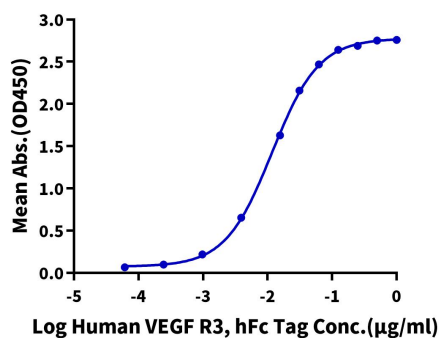
The purity of Human VEGF R3 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human VEGF R3, hFc Tag ELISA

0.1µg Human VEGF-C, His Tag Per Well

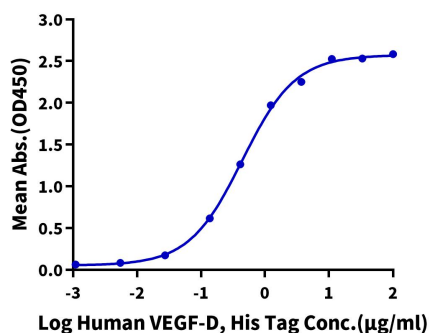


Immobilized Human VEGF-C, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human VEGF R3, hFc Tag with the EC50 of 11.7ng/ml determined by ELISA (QC Test).

ELISA Data

Human VEGF R3, hFc Tag ELISA

0.2µg Human VEGF R3, hFc Tag Per Well



Immobilized Human VEGF R3, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human VEGF-D, His Tag with the EC50 of 0.44µg/ml determined by ELISA.