

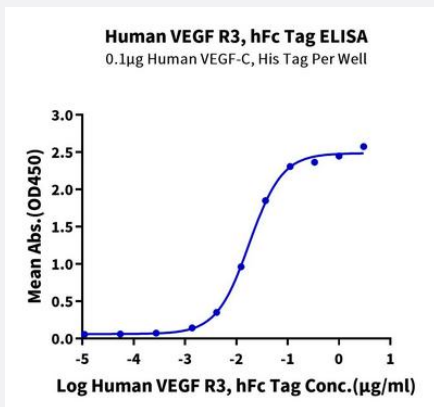
HuPro®

FLT4 (Human) Recombinant Protein

Catalog # P9775

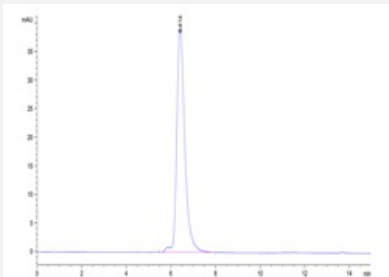
Size 100 ug

Applications



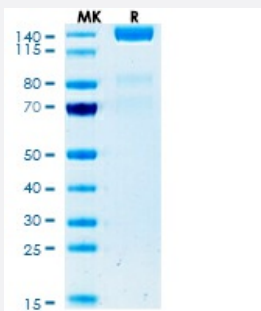
Enzyme-linked Immunoabsorbent Assay

Immobilized Human VEGF-C, His Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Human VEGF R3, hFc Tag with the EC50 of 17.9 ng/mL determined by ELISA.



SEC-HPLC

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



Tris-Bis PAGE

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

Specification

Product Description	Human FLT4 (P35916-1, Tyr25-Ile776) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.
Sequence	Tyr25-Ile776
Host	Human
Theoretical MW (kDa)	111.3
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human VEGF R3 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human VEGF R3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human VEGF-C, His Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Human VEGF R3, hFc Tag with the EC50 of 17.9 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — FLT4

Entrez GeneID [2324](#)

Protein Accession#	P35916-1
Gene Name	FLT4
Gene Alias	FLT41, LMPH1A, PCL, VEGFR3
Gene Description	fms-related tyrosine kinase 4
Omim ID	136352 153100 602089
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a tyrosine kinase receptor for vascular endothelial growth factors C and D. The protein is thought to be involved in lymphangiogenesis and maintenance of the lymphatic endothelium. Mutations in this gene cause hereditary lymphedema type IA. [provided by RefSeq]
Other Designations	soluble VEGFR3 variant 1 soluble VEGFR3 variant 2 soluble VEGFR3 variant 3 vascular endothelial growth factor receptor 3

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)

Disease

- [Breast cancer](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Chylothorax](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lymphangiectasis](#)

- [Lymphedema](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)