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# Human VEGFR-1/FLT-1 Recombinant Protein (85-281)

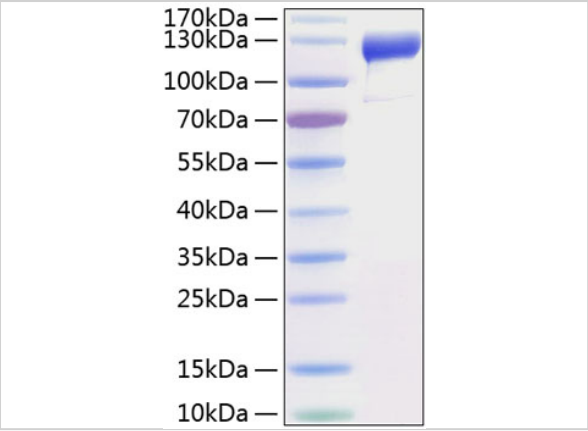
**CATALOG NUMBER: 85-281**

## Specifications

| | |
|---|---|
| **Species** | Human |
| **Source Species** | HEK293 cells |
| **Fusion Tag** | C-His |
| **Tested Applications** | Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB |
| **Predicted Molecular Weight** | 85.69 kDa |
| **Biological Activity** | 1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human VEGFR1 at 500 ng/mL (100 µL/well) can bind Recombinant Mouse PLGF with a linear range of 12-49 ng/mL.<br>2.Measured by its ability to inhibit the VEGF-dependent proliferation of HUVEC human umbilical vein endothelial cells. Conn, G. et al. (1990) Proc. Natl. Acad. Sci. USA 87:1323. The $ED_{50}$ for this effect is 0.039-0.154 ng/mL. |

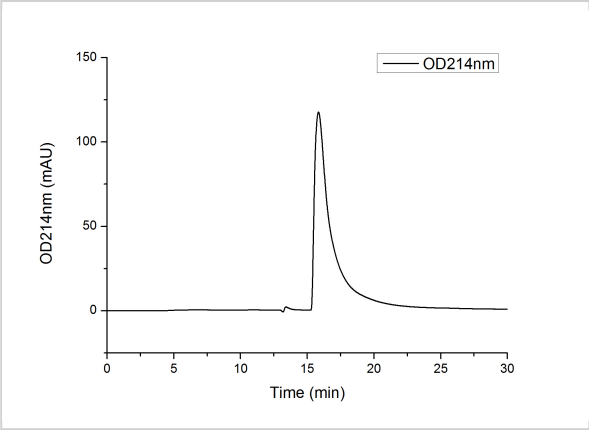
## Properties

| | |
|---|---|
| **Purity** | ≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC. |
| **Physical State** | Lyophilized |
| **Buffer** | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation. |
| **Storage Conditions** | Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.<br>After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. |



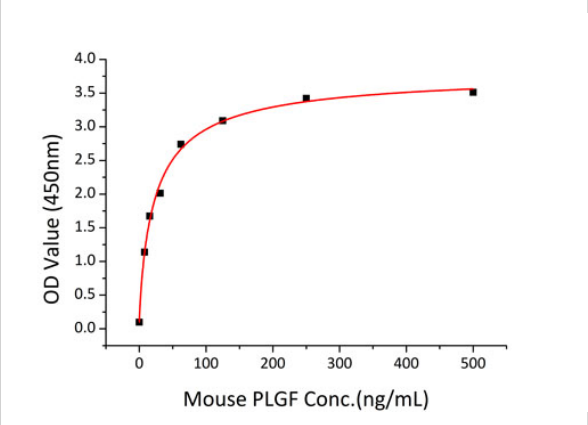

## 85-281_1

Recombinant Human VEGFR-1/FLT-1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



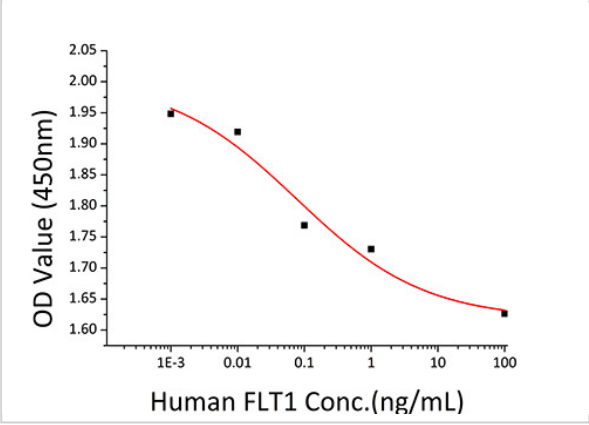

## 85-281_2

The purity of human VEGFR1/Flt-1 Protein (Cat.85-281) was greater than 95% as determined by SEC-HPLC.




## 85-281_3

Immobilized Recombinant Human VEGFR1 at 500ng/mL (100 µL/well) can bind Recombinant Mouse PLGF with a linear range of 12-49 ng/mL.




## 85-281_4

Recombinant Human FLT1 inhibit the VEGF-dependent proliferation of HUVEC human umbilical vein endothelial cells. The $ED_{50}$ for this effect is 0.039-0.154 ng/mL.

# Disclaimer

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|---|---|
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