ProSci LLC
12170 Flint Place
Poway, CA 92064, USA
ProSciAntibodies.com

P: +1 (888) 513-9525
Local: +1 (858) 513-2638
Fax: +1 (858) 513-2692

CustomerCare@ProSciAntibodies.com
ITSupport@ProSciAntibodies.com

Human VEGF-A/VEGF165 Recombinant Protein (85-246)

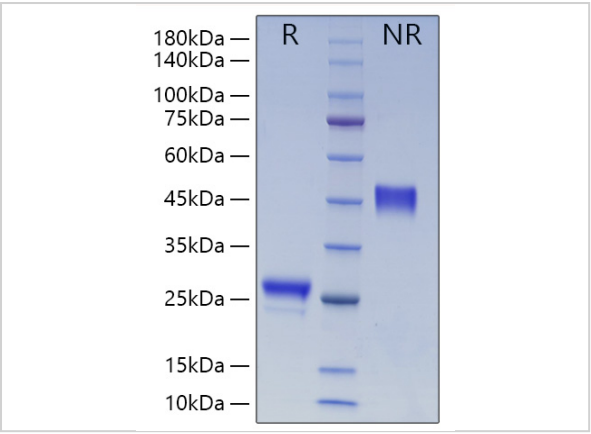
CATALOG NUMBER: 85-246

Specifications

Species	Human
Source Species	HEK293 cells
Fusion Tag	N-His
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	20.01 kDa
Biological Activity	1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human VEGF165 at 1 μg/mL (100 μL/well) can bind Recombinant Human VEGFR2 with a linear range of 8-20 ng/mL. 2.Measured by its binding ability in a functional ELISA. Immobilized Human VEGF165 at 2 μg/mL (100 μL/well) can bind Human KDR with a linear range of 0.2-11.6 ng/mL. 3.Recombinant Human VEGF165 stimulates cell proliferation of the human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is typically 0.19-0.78 ng/mL, corresponding to a specific activity of 1.28 × 106~5.26× 106 units/mg.

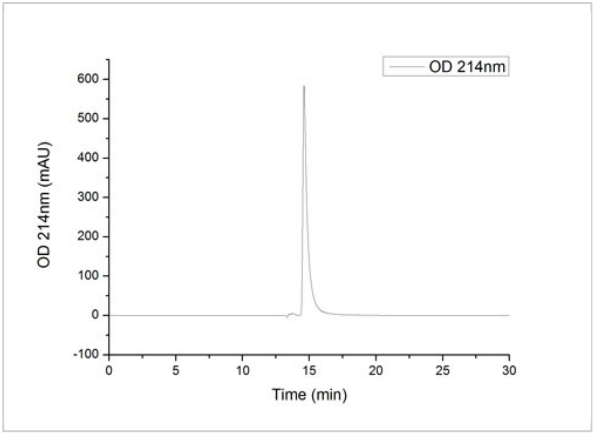
Properties

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. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.



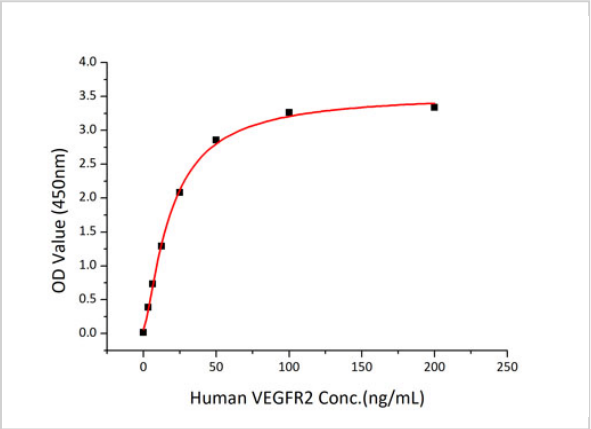
85-246_1

Recombinant Human VEGF-A/VEGF165 Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



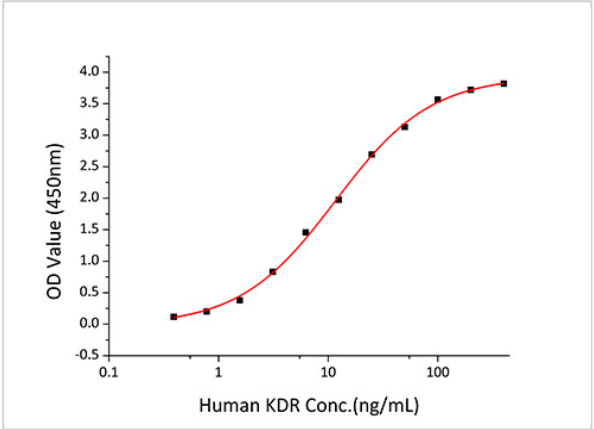
85-246_2

The purity of human VEGF165 Protein (Cat.85-246) was greater than 95% as determined by SEC-HPLC.



85-246_3

Immobilized Recombinant Human VEGF165 at 1 μg/mL (100 μL/well) can bind Recombinant Human VEGFR2 with a linear range of 8-20 ng/mL.



85-246_4

Immobilized Recombinant Human VEGF165 at 2 μg/mL (100 μL/well) can bind Human KDR with a linear range of 0.2-11.6 ng/mL.

Disclaimer

Disclaimer	Products are intended for laboratory research purposes only and should be used by qualified personnel only. They are not intended for use in humans. ProSci is not liable for damages or injuries resulting from receipt and/or use of ProSci materials. Please refer to the Material Safety Data Sheet (MSDS) for safe storage, handling, and use procedures.

For research use only. For additional information, visit ProSci's Terms and Conditions Page.