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Human VEGF-A/VEGF121 Recombinant Protein (85-258)

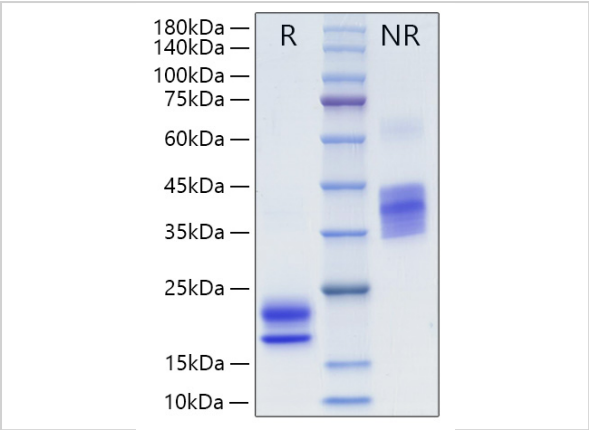
CATALOG NUMBER: 85-258

Specifications

Species	Human
Source Species	HEK293 cells
Fusion Tag	N-His
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	14.91 kDa
Biological Activity	1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human VEGF121 at 1 μg/mL (100 μL/well) can bind Recombinant Human VEGFR2 with a linear range of 4-10 ng/mL. 2.Measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells. The ED_{50} for this effect is 0.09-0.36 ng/mL. 3.Recombinant Human VEGFA(40 ng/mL) and bFGF(50 ng/mL) induce mesoderm cells to differentiate into hematopoietic stem and progenitor cells. After 4 days induction, pebbly-like CD43+ hematopoietic stem and progenitor cells appeared in the hematogenic endothelium.

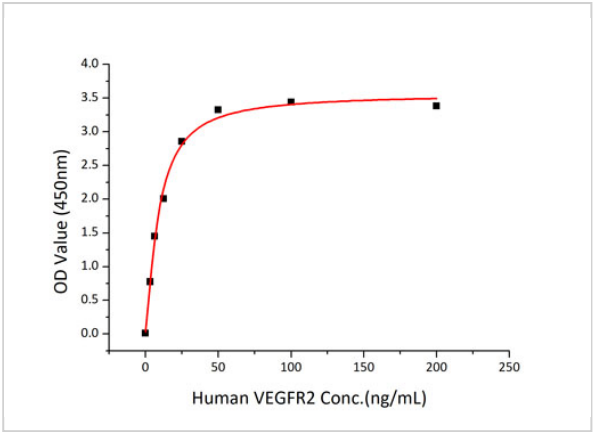
Properties

Purity	≥ 95 % as determined by SDS-PAGE.
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.



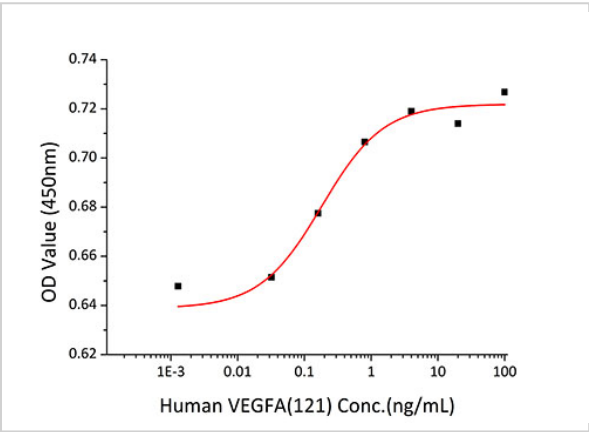
85-258_1

Recombinant Human VEGF-A/VEGF121 Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



85-258_2

Immobilized Recombinant Human VEGF121 at 1 μg/mL (100 μL/well) can bind Recombinant Human VEGFR2 with a linear range of 4-10 ng/mL.



85-258_3

Recombinant Human VEGF-A promotes the proliferation of HUVEC human umbilical vein endothelial cells. The ED_{50} for this effect is 0.09-0.36 ng/mL.

Disclaimer

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