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Human VEGF-A/VEGF121(K321N) Recombinant Protein (84-812)

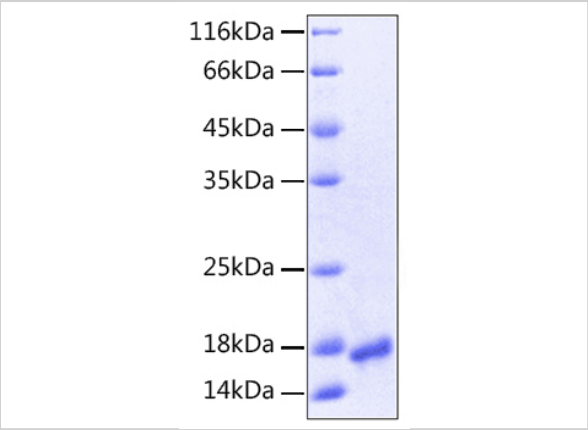
CATALOG NUMBER: 84-812

Specifications

Species	Human
Source Species	E. coli
Fusion Tag	No tag
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	14.06 kDa
Biological Activity	1.Measured by its binding ability in a functional ELISA. Immobilized Human VEGF121 at 2 μg/mL (100 μL/well) can bind Human KDR with a linear range of 0.2-10 ng/mL. 2.Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED_{50} for this effect is typically 0.017-0.068 ng/mL, corresponding to a specific activity of 1.47 $\times 10^7$-5.88 $\times 10^7$ units/mg.

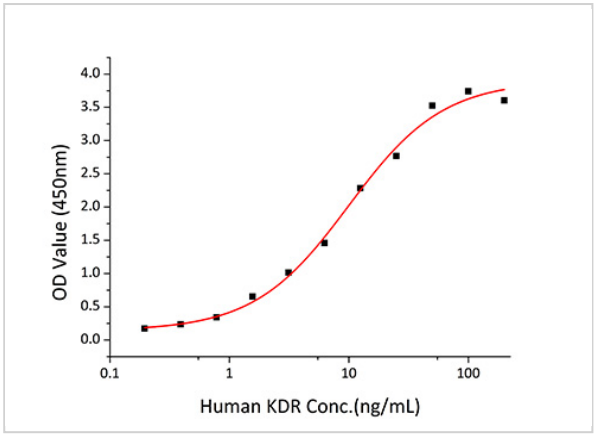
Properties

Purity	≥ 95 % as determined by SDS-PAGE.
Physical State	Lyophilized
Buffer	Lyophilized from a 0.22 μm filtered solution of 20mM Tris, 100mM NaCl, pH 8.0.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.



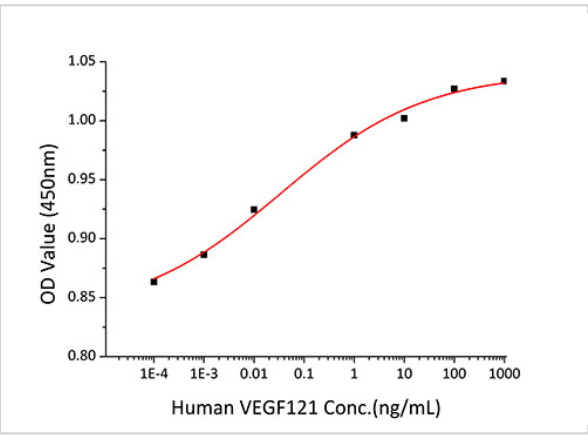
84-812_1

Recombinant Human VEGF-A/VEGF121(K321N) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



84-812_2

Immobilized Recombinant Human VEGF121 at 2 μg/mL (100 μL/well) can bind Human KDR with a linear range of 0.2-10 ng/mL.



84-812_3

Recombinant Human VEGFA stimulates cell proliferation of the human umbilical vein endothelial cells (HUVEC). The ED_{50} for this effect is typically 0.017-0.068 ng/mL, corresponding to a s...

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