Active Recombinant Human VEGF121 protein, His-tagged

Cat. No. VEGF121-0819H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGF121 protein(Ala27-Arg147), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	27-147 a.a.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human VEGF121, His Tag at 1 μg/mL (100 μL/well) can bind Human VEGFR1/R2, Fc Tag with a linear range of 0.4-6 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus.The protein has a calculated MW of 14.9 kDa. As a result of glycosylation, the protein migrates as 16 kDa and 18-20 kDa under reducing (R) condition, and 30 kDa and 32-40 kDa under non-reducing (NR) condition (SDS-PAGE).
Proteinlength	Ala27-Arg147
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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