

Product: Vascular Endothelial Growth Factor-121 Sf9, Human, Recombinant
Catalog #: 11-VEGF-121H-Sf9
Amount: 5 µg

DESCRIPTION: Recombinant Human Vascular Endothelial Growth Factor-121 (rHuVEGF121Sf9) rHuVEGF121Sf9 is a single, non-glycosylated polypeptide chain containing 121 amino acids and having a molecular mass of 28723 Dalton VEGF₁₂₁ circulates more freely than other VEGF forms, which bind more tightly with vascular heparin sulfates The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-Met-Ala-Glu.

SOURCE: *Insect cells (Sf9)*

PURITY: Greater than 90.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuVEGF-121Sf9

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280
2. Analysis by RP-HPLC, using a calibrated solution of human VEGF-121Sf9 as a Reference Standard.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles.

BIOLOGICAL ACTIVITY: rHuVEGF-121Sf9 is fully biologically active when compared to standards Determined by the dose-dependent stimulation of the proliferation of human umbilical vein endothelial cells (HUVEC) using a concentration range of 0.2-0.4 ng/ml, corresponding to a Specific Activity of 5 x 10⁵ IU/mg

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