

Product: Vascular Endothelial Growth Factor-Sf9, Murine, Recombinant
Catalog #: 11-VEGF-M-Sf9
Amount: 5 µg

DESCRIPTION: Recombinant Murine Vascular Endothelial Growth Factor-Sf9 (rmVEGF-Sf9)
rmVEGF-Sf9 is a single, non-glycosylated polypeptide chain containing 164 amino acids and having a molecular mass of 38814 Dalton

SOURCE: *Insect cells (Sf9)*

PURITY: Greater than 95.0% 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 rmVEGF-Sf9

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 nm
2. Analysis by RP-HPLC, using a calibrated solution of VEGF as a Reference Standard.

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

BIOLOGICAL ACTIVITY: rmVEGF 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 1.0-2.0 ng/ml, corresponding to a specific activity of 1×10^6 Units/mg

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