

Product: Vascular Endothelial Growth Factor, Bovine, Recombinant
Catalog #: 11-VEGF-B
Amount: 5 µg

DESCRIPTION: Recombinant Bovine Vascular Endothelial Growth Factor (rbVEGF)
rbVEGF is a single, non-glycosylated polypeptide chain containing 164 amino acids and having a molecular mass of 38 kDa
The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-Met-Ala-Glu.

SOURCE: *E.Coli* Expression System

PURITY: Greater than 98.0% 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 rbVEGF

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 using the absorbency value of 0.2875 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences
2. Analysis by RP-HPLC, using a calibrated solution of bovine VEGF as a Reference Standard.

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

BIOLOGICAL ACTIVITY: rbVEGF 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 1.0-8.0 ng/ml

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