

Datasheet for ABIN988281  
**VEGF Protein**

## 2 Images

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## Overview

Quantity:	100 µg
Target:	VEGF
Origin:	Human
Source:	Yeast (Pichia pastoris)
Biological Activity:	Active

## Product Details

Characteristics:	Resuspend cells in assay media (Earle Salts 199X Gibco #11150, without h-EGF) containing 10 % HI-FBS and transfer 100 µl/well to assay plate (5,100 cells/well passage#2). Serial dilute human Vascular Endothelial Growth Factor (VEGF) in assay media containing 10 % HI-FBS and transfer 100µl/well to cells in assay plate. Final assay volume is 200 µl/well, containing 10 % HI-FBS, and human Vascular Endothelial Growth Factor (VEGF) as indicated 89 hours. Add 20 µl of Promega Substrate Cell Titer 96 Aqueous One Solution Reagent to each well, Incubate 37 °C and read at OD 490nm. The ED50 for the effect is typically 3.1 - 4.6 ng/ml.
Purity:	> 95 % by SDS-PAGE.
Endotoxin Level:	level is less than 0.05 ng per µg (0.5 EU/µg) of human Vascular Endothelial Growth Factor (VEGF)

## Target Details

Target:	VEGF
Alternative Name:	Vascular Endothelial Growth Factor ( <a href="#">VEGF Products</a> )
Background:	Vascular Endothelial Growth Factor (VEGF) is a potent growth and angiogenic cytokine. It

Target Details

stimulates proliferation and survival of endothelial cells, and promotes angiogenesis and vascular permeability. Expressed in vascularized tissues, Vascular Endothelial Growth Factor (VEGF) plays a prominent role in normal and pathological angiogenesis. Substantial evidence implicates Vascular Endothelial Growth Factor (VEGF) in the induction of tumor metastasis and intra-ocular neovascular syndromes. Vascular Endothelial Growth Factor (VEGF) signals through the three receptors, fms-like tyrosine kinase (flt-1), KDR gene product (the murine homolog of KDR is the flk-1 gene product) and the flt4 gene product. Synonym: VEGF 6. Formulation: Lyophilized from 25 mM HEPES and 150 mM NaCl, pH 7.0.

Application Details

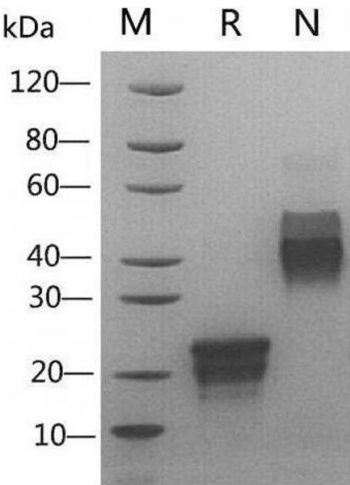
Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: -20 °C

Images



**SDS-PAGE**

**Image 1.** 4 µg of VEGF, Human was resolved with SDS-PAGE under reducing (R) and non-reducing (N) conditions and visualized by Coomassie Blue staining.

**Activity Assay**

**Image 2.** VEGF165, Human stimulates proliferation of HUVEC cells. The ED50 for this effect is less than 5ng/mL(1.74ng/mL).

