



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Datasheet

### VEGFA (Human) Recombinant Protein

**Catalog Number:** P9306

**Regulation Status:** For research use only (RUO)

**Product Description:** Human VEGFA recombinant protein expressed in *Escherichia coli*.

**Sequence:**

APMAEGGGQNHHEVVKFMDVYQRSYCHPIETLVDIFQ  
EYPDEIEYIFKPCVPLMRCGGCCNDEGLECVPTES  
NITMQIMRIKPHQGQHIGEMSFLQHNKCECRPKKDRA  
RQENC DKPRR

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** 28.4

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Lyophilized

**Preparation Method:** *Escherichia coli* expression system

**Purity:** > 98% as determined by (a) RP-HPLC.(b) SDS-PAGE.

**Activity:** The biological activity is 1-6 ng/ml, determined by the dose-dependent proliferation of HUVEC cells, corresponding to a specific activity of  $1.67-10 \times 10^5$  IU/mg.

**Storage Buffer:** Protein (1 mg/mL) was lyophilized with no additives. Reconstitute the lyophilized powder in ddH<sub>2</sub>O to 100 ug/mL.

**Storage Instruction:** Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4°C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).  
Avoid repeated freeze/thaw cycles.

**Entrez GeneID:** 7422

**Gene Symbol:** VEGFA

**Gene Alias:** MGC70609, VEGF, VEGF-A, VPF

**Gene Summary:** This gene is a member of the PDGF/VEGF growth factor family and encodes a protein that is often found as a disulfide linked homodimer. This protein is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis and endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Elevated levels of this protein is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in this gene have been associated with proliferative and nonproliferative diabetic retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms. [provided by RefSeq]