



# 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

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## Datasheet

### VEGFA (Human) Recombinant Protein

**Catalog Number:** P9308

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

**Product Description:** Human VEGFA partial recombinant protein with His tag in N-terminus expressed in *Escherichia coli*.

**Sequence:**

MGSSHHHHHSSGLVPRGSHMAPMAEGGGQNHHEV  
VKFMDVYQRSYCHPIETLVDIFQEYYPDEIEYIFKPSV  
LMRCGGCCNDEGLECVPTESNITMQIMRIKPHQGQH  
IGEMSFLLQHNKCECRPKKDRARQEKC DKPRR

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** 16.3

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

**Form:** Liquid

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

**Purification:** chromatographic

**Purity:** > 90% as determined by SDS-PAGE.

**Activity:** ED<sub>50</sub> < 4.2 ng/mL, measured in a cell proliferation assay using NIH-3T3 cell, corresponding to a specific activity < 2.38x10<sup>5</sup> units/mg.

**Storage Buffer:** Solution (1 mg/mL) containing 20 mM Tris-HCl, pH 8.0, 10% glycerol.

**Storage Instruction:** Store at 4°C for one weeks 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]