



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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

### FGF1 (Human) Recombinant Protein

Entrez GeneID: 2246

**Catalog Number:** P9949

**Gene Symbol:** FGF1

**Regulation Status:** RUO grade

**Gene Alias:** AFGF, ECGF, ECGF-beta, ECGFA, ECGFB, FGF-alpha, FGFA, GLIO703, HBGF1

**Product Description:** Human FGF1 recombinant protein with His tag at the C-terminus expressed in *Escherichia coli*.

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** Calculated MW: 16.77

**Regulatory Status:** RUO grade

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

**Form:** Lyophilized

**Gene Summary:** The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq]

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

**Purity:** > 98% by SDS-PAGE

**Endotoxin Level:** < 0.1 EU/ug

**Activity:** The ED<sub>50</sub> for this effect is < 0.3 ng/mL, measured by its ability to induce 3T3 cells proliferation. The specific activity of recombinant human FGF-1 is > 1.0 x 10<sup>6</sup> IU/mg.

**Recommend Usage:** SDS-PAGE

The optimal working dilution should be determined by the end user.

**Storage Buffer:** Lyophilized from PBS, pH 8.0. Reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration of at least 200 ug/mL and incubate the stock solution for at least 20 min to ensure sufficient redissolution. Please use the protein within one month after reconstitution.

**Storage Instruction:** Store at -20°C for 12 months in lyophilized state. After reconstitution with deionized water, store at -20 or -80°C for 1 month. Aliquot to avoid repeated freezing and thawing.