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Lieferung & Zahlungsart

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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

www.szabo-scandic.com

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

Datasheet

FGF2 (Human) Recombinant Protein

Catalog Number: P8121

Regulation Status: For research use only (RUO)

Product Description: Human FGF2 (P09038, 142 a.a. - 288 a.a.) partial length recombinant protein expressed in *Escherichia coli*.

Sequence:

MPALPEDGGSGAFPPGHFKDPKRLYCKNGGFFLRIHP
DGRVDGVREKSDPHIKLQLQAEERGVSIGVCANRY
LAMKEDGRLLASKCVTDECFFFERLESNNYNTYRSRK
YTSWYVALKRTGQYKLGSKTGPGQKAILFLPMSAKS

Host: *Escherichia coli*

Theoretical MW (kDa): 16.5

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% by SDS-PAGE

Activity: ED₅₀ is < 0.05 ng/mL, measured by the dose-dependent proliferation of mouse BALB/c 3T3 cells, corresponding to a specific activity of > 2.0 x 10⁷ units/mg.

Storage Buffer: Lyophilized from sterile distilled Water up to 100 ug/ml

Storage Instruction: Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2247

Gene Symbol: FGF2

Gene Alias: BFGF, FGFB, HBGF-2

Gene Summary: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF. [provided by RefSeq]