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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

FGF2 (Human) Recombinant Protein

Entrez GeneID: 2247

Catalog Number: P9950

Gene Symbol: FGF2

Regulation Status: RUO grade

Gene Alias: BFGF, FGFB, HBGF-2

Product Description: Human FGF2 recombinant protein expressed in *Escherichia coli*.

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]

Host: *Escherichia coli*

Theoretical MW (kDa): Calculated MW: 18.1

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

Preparation Method: *Escherichia coli* expression system

Purity: > 98% by SDS-PAGE

Endotoxin Level: < 0.1 EU/ug

Activity: The ED₅₀ for this effect is < 1 ng/mL, measured by its ability to induce 3T3 cells proliferation. The specific activity of recombinant human FGF-2 is approximately > 5 x 10⁵ 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 H₂O 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.