

# Recombinant Human FGF-2/FGFb Protein (aa 132-288)

Catalog Number:PKSH032437



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

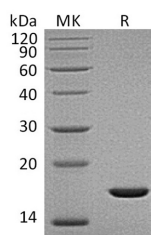
## Description

|                                    |   |
|------------------------------------|---|
| <b>Synonyms</b>                    | Fibroblast Growth Factor 2;FGF-2;Basic Fibroblast Growth Factor;bFGF;Heparin-Binding Growth Factor 2;HBGF-2;FGF2;FGFB |
| <b>Species</b>                     | Human   |
| <b>Expression Host</b>             | E.coli  |
| <b>Sequence</b>                    | Gly132-Ser288   |
| <b>Accession</b>                   | P09038-4  |
| <b>Calculated Molecular Weight</b> | 17.4 kDa  |
| <b>Observed molecular weight</b>   | 16 kDa  |
| <b>Tag</b>                         | None  |
| <b>Bioactivity</b>                 | Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED <sub>50</sub> for this effect is 1.11 ng/ml.    |

## Properties

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | < 0.01 EU per µg of the protein as determined by the LAL method.  |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.                       |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.   |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, 3% Trehalose, 4% Mannitol, pH 7.5.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.  |

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

FGF-basic is a members of the Fibroblast Growth Factors (FGFs) family. The family constitutes a large family of proteins involved in many aspects of development including cell proliferation; growth; and differentiation. They act on several cell types to regulate diverse physiologic functions including angiogenesis; cell growth; pattern formation; embryonic development; metabolic regulation; cell migration; neurotrophic effects; and tissue repair. FGF-basic is a non-glycosylated

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heparin binding growth factor that is expressed in the brain; pituitary; kidney; retina; bone; testis; adrenal gland liver; monocytes; epithelial cells and endothelial cells. FGF-basic signals through FGFR 1b; 1c; 2c; 3c and 4.

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