

RP00365

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# Recombinant Human FGF basic/FGF2/FGFb (143-288) Protein

Catalog No.: RP00365

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	2247	P09038

### Tags

No tag

### Synonyms

BFGF; FGF-2; FGFB;  
HBGF-2;FGF2;FGF-2;FGFB;HBGF-2;Basic  
FGF; BFGF; fibroblast growth factor 2

## Product Information

Source	Purification
<I>E. coli</I>	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

This protein 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.

## Basic Information

### Description

Recombinant Human FGF basic/FGF2/FGFb (143-288) Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Pro143-Ser288) of human FGF basic/FGF2/FGFb (143-288) (Accession #P09038).

### Bio-Activity

Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. The ED<sub>50</sub> for this effect is 0.1-0.6 ng/mL. The specific activity of Recombinant Human FGF basic is approximately 800 IU/μg, which is calibrated against recombinant human FGF basic WHO International Standard.

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

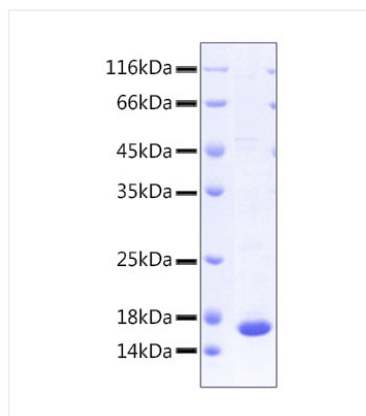
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant protein Human FGF basic/FGF2/FGFb (143-288) was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 17 kDa.