

## Recombinant Human FGF basic/FGF2/bFGF Protein

### 产品信息

产品名称	产品编号	规格
Recombinant Human FGF basic/FGF2/bFGF Protein	91330ES10	10 µg
	91330ES60	100 µg
	91330ES76	500 µg

### 产品简介

FGF-2, also known as basic fibroblast growth factor, is a canonical FGF that belongs to the FGF-1 subfamily. It is a regulator of proliferation, migration, differentiation, cell survival, and stemness in human stem cells. More over, FGF-2 play a major role in skeletal development, bone formation, and fracture repair, which make FGF-2 an attractive molecule for clinical and pharmaceutical applications in bone regeneration.

### 性能参数

<b>Synonyms</b>	bFGF, FGF basic, FGF2, FGF-2, fibroblast growth factor 2 (basic), HBGF-2, Prostatropin
<b>Uniprot No.</b>	P09038
<b>Source</b>	E.coli-derived human FGF, Pro143-Ser288, with an N-terminal Gly.
<b>Molecular Weight</b>	Approximately 16.5 kDa.
<b>Purity</b>	> 95% as determined by SDS-PAGE.
<b>Endotoxin</b>	<0.1 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS.
<b>Reconstitution</b>	Centrifuge tubes before opening. Dissolve lyophilized protein with PBS to ensure the concentration is greater than 100 ug/mL. Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

### 储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

## 注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

## 产品数据

### SDS-PAGE

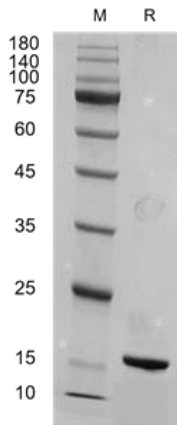


Figure 1. Human FGF-2 on SDS-PAGE under reduced condition. The purity is greater than 95%.

### Bioactivity-Cell based assay

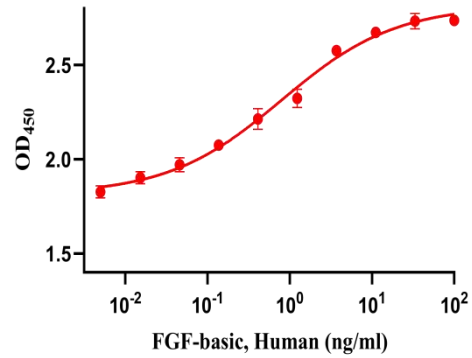


Figure 2. The ED<sub>50</sub> as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 1 ng/mL, corresponding to a specific activity of  $> 1.0 \times 10^6$  IU/mg.