

## **Recombinant Human bFGF**

Catalog Number: SJA09

Strength: 10µg

### **Specifications and Use**

<b>Description</b>	<ul style="list-style-type: none"><li>● Recombinant human bFGF produced in yeast is a single, non-glycosylated, polypeptide chain containing 146 amino acids, one pair of disulfide bonds and having a theoretical molecular mass of approximately 16.5kD.</li></ul>
<b>Source</b>	<ul style="list-style-type: none"><li>● Yeast.</li></ul>
<b>Molecular Mass</b>	<ul style="list-style-type: none"><li>● Approximately 16.5kD.</li></ul>
<b>Purity</b>	<ul style="list-style-type: none"><li>● ≥97%.</li></ul>
<b>Endotoxin Level</b>	<ul style="list-style-type: none"><li>● &lt;1EU/µg, determined by the LAL method.</li></ul>
<b>Biological Activity</b>	<ul style="list-style-type: none"><li>● Measured in a cell proliferation assay using Balb/C3T3, ED50 shall be less than 56ng/ml.</li></ul>
<b>Formulation</b>	<ul style="list-style-type: none"><li>● Lyophilized from a 0.2µm filtered solution in 50mM PBNa, pH 7.0.</li></ul>
<b>Reconstitution</b>	<ul style="list-style-type: none"><li>● It is recommended to reconstitute the lyophilized rHubFGF in 0.2ml sterile water.</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>● Lyophilized samples are stable for 36 months from date of manufacture at -20°C to -70°C.</li><li>● Upon reconstitution, this cytokine can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C <b>in a manual defrost freezer</b> for three months without detectable loss of activity.</li><li>● <b>Avoid repeated freeze-thaw cycles.</b></li></ul>

### **Human Basic Fibroblast Growth Factor**

FGF basic is a member of the FGF family of at least 23 related mitogenic proteins which show 35- 60% amino acid conservation. FGF basic stimulates the proliferation of all cells of mesodermal origin and many cells of neuroectodermal, ectodermal, and endodermal origin. FGF basic induces neuron differentiation, survival, and regeneration. FGF basic also modulates embryonic development and differentiation.

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