

# Recombinant Human bFGF (E.coli-expressed)

Catalog Number: Y00351H

## Characteristics:

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| Source                   | <i>E.coli</i>                                      |
| Description              | Human bFGF (Pro143-Ser288)<br>Accession # P09038-4 |
| Predicted molecular mass | 16.5kDa                                            |

## Specification:

|             |                                                                                                                                        |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Appearance  | White powder, Colorless clear liquid after reconstitution                                                                              |
| Purity      | ≥95%, by SDS-PAGE (under reducing (R)&Non-reducing conditions, visualized by Coomassie staining)                                       |
| Endotoxin   | ≤20 EU/mg by the LAL method                                                                                                            |
| Activity    | Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast Cells. The ED <sub>50</sub> for this effect ≤2.0 ng/mL. |
| Formulation | Lyophilized from a 0.2 μm filtered solution containing PB, 5% Trehalose and 0.01% Tween 80, pH7.4                                      |
| Size        | 10 μg/vial, 50 μg/vial, 1 mg/vial                                                                                                      |

## Handling and Storage:

|                     |                                                                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution      | It is recommended to redissolve in sterile deionized water.                                                                                                                                                                                                                         |
| Shipping            | The product is shipped with blue ice                                                                                                                                                                                                                                                |
| Storage & Stability | 36 months at -20°C to -80°C in lyophilized state<br>6 months at -20°C to -80°C under sterile conditions after reconstitution<br>7-10 days at 2°C to 8°C under sterile conditions after reconstitution<br><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> |