

**Product name**

Recombinant Human FGF basic/FGF2/bFGF Protein (154 a.a.)

**Species**

Human

**Host Species/Expression System**

*E.coli*

**Description**

Fibroblast Growth Factor-2 Human Recombinant (FGF-2) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 154 amino acids and having a molecular mass of 17.2kDa. The FGF-b is purified by proprietary chromatographic techniques.

**Amino acid sequence:**

AAGSITTLPALPEDGGSGAAPPGHFKDPKRLYCKNGGFFLRIHPDGRVDGVRE  
KSDPHIKLQLQAEERGVSISIKGVCANRYLAMKEDGROLLASKCVTDECFFFER  
LESN NYNTYRSRKY TSWYVALKRTGQYKLGSKTG PGQKAILFLP MSAKS

**Molecular weight**

17.2 kDa

**Purity**

≥ 95 % by SDS-PAGE analysis

**Format**

Lyophilized protein

**Biological Activity** : ED<sub>50</sub> is < 0.5 ng/ml. ED<sub>50</sub> was determined by a cell proliferation assay using BALB/c 3T3 cells.

**Endotoxin** : Less than 1.0 EU/μg of Fibronectin as determined by LAL method.

**Formulation**

25 mM Sodium buffer with NaCl, pH 7.0

**Reconstitution** : We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile 18 MΩ-cm H<sub>2</sub>O. Stock solutions should be apportioned into working aliquots and store at ≤ -20°C. Future dilutions should be made in appropriate buffered solution.

**Storage condition :** Store the lyophilized protein at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  for long term. After reconstitution, the protein solution is stable at  $-20^{\circ}\text{C}$  for 3 months, at  $2-8^{\circ}\text{C}$  for up to 1 week. **Avoid repeated freeze/thaw cycles.**