

# Human FGF1/FGFA recombinant protein



Catalog Number: 519103

## General Information

### Gene Name Synonym

Fibroblast Growth Factor 1, FGF-1, Acidic Fibroblast Growth Factor, aFGF, Endothelial Cell Growth Factor, ECGF, Heparin-Binding Growth Factor 1, HBGF-1, FGF1, FGFA

### Protein Construction

A DNA sequence encoding the Human FGF1/FGFA Phe16-Asp155 is expressed.

### Organism

Human

### Expression Host

E.coli

## QC Testing

### Purity

>95% as determined by SDS-PAGE.

### Endotoxin

<1.0 EU per  $\mu\text{g}$  protein as determined by the LAL method.

### Stability

Store for up to 12 months at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  as lyophilized powder. Aliquots of reconstituted samples are stable at  $< -20^{\circ}\text{C}$  for 3 months.

### Formulation

Lyophilized from a  $0.2\ \mu\text{m}$  filtered solution of 20mM Tris, 400mM NaCl, 1mM DTT, pH 8.0. The ED50 for this effect is less than 2 ng/ml, measured in a cell proliferation assay using BALB/c 3T3 cells.

## Usage Guide

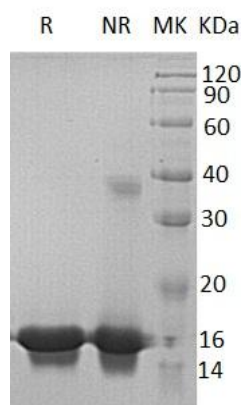
### Storage

Lyophilized protein should be stored at  $<-20^{\circ}\text{C}$ , though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at  $4-7^{\circ}\text{C}$  for 2-7 days.

### Reconstitution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than  $100\ \mu\text{g/ml}$ . Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE



Human FGF1/FGFA recombinant protein