

General Information

Gene Name Synonym

Fibroblast Growth Factor 1, FGF-1, Acidic Fibroblast Growth Factor, aFGF, Endothelial Cell Growth Factor, ECGFHeparin-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 µg protein as determined by the LAL method.

Stability

Store for up to 12 months at -20°C to -80°C as lyophilized powder. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Formulation

Lyophilized from a 0.2 µm 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

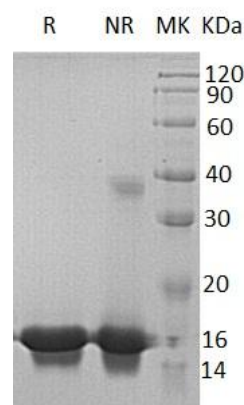
Storage

Lyophilized protein should be stored at <-20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 100µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE



Human FGF1/FGFA recombinant protein