HUMAN FGFA (154AA) PROTEIN

Cat.#: 12085

Product Name: Human FGFa (154AA) Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: Fibroblast Growth Factor 1;FGF-1;Acidic Fibroblast Growth Factor;aFGF;Endothelial Cell Growth Factor;ECGFHeparin-Binding Growth Factor 1;HBGF-1;FGF1;FGFA

Target: FGFa

UNIPROT ID: P05230

Description: Recombinant Human Fibroblast Growth Factor 1/Fibroblast Growth Factor Acidic is produced by our E.coli expression system and the target gene encoding Ala2-Asp155 is expressed.

Background: FGF acidic, also known as ECGF, FGF-1and HBGF-1, is a non-glycosylated heparin binding growth factor that is expressed in the brain, kidney, retina, smooth muscle cells, bone matrix, osteoblasts, astrocytes and endothelial cells. It is a mitogenic peptide that is produced by multiple cell types and stimulates the proliferation of cells of mesodermal, ectodermal, and endodermal origin. Its association with heparan sulfate is a prerequisite for activation of FGF receptors. Internalized FGF acidic migrates to the nucleus where it is phosphorylated by nuclear PKC delta, exported to the cytosol, dephosphorylated, and degraded. Intracellular FGF acidic inhibits p53 activity and proapoptotic signaling.

Species/Host: E.coli

Molecular Weight: 17.3 KDa

Molecular Characterization: Not available

Purity: Greater than 95% as determined by reducing SDS-PAGE.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

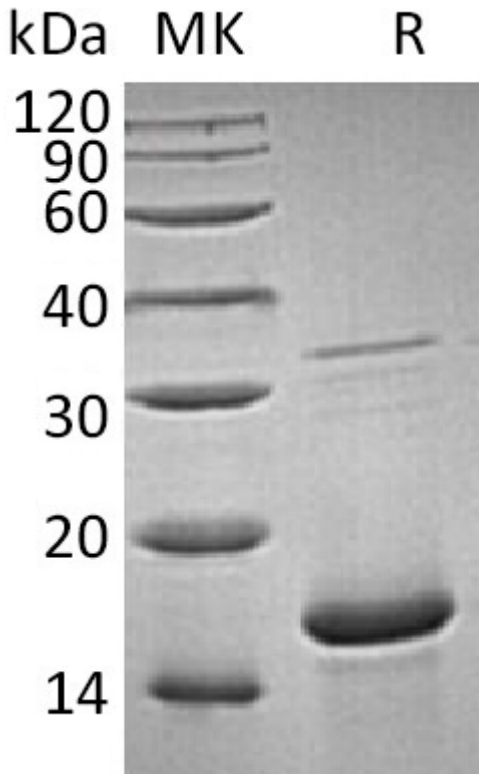

Figure 1. Greater than 95% as determined by reducing SDS-PAGE.