Aurora Biolabs
Manufacturer of high-quality proteins

Recombinant Human Acidic FGF (FGF-1)

(Lyophilized)

(For Research Use Only)

FGF-acidic (FGF-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. FGF-acidic has the ability to signal through all the FGF receptors. Recombinant human FGF-acidic is a 15.8 kDa protein consisting of 140 amino acid residues.

Product Information

Catalog number: 12-0004-L

Size: 5µg,10µg, 25µg,50µg,100µg, 250µg,1mg

AA Sequence: FNLPPGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAES VGEVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYISKK HAEKNWFVGLKKNGSCKRGPRTHYGQKAILFLPLPVSSD

Source: Escherichia Coli.

Purity: Greater than 98%, as determined by SDS-PAGE (see Fig. 1)

Endotoxin: Less than 1.0 EU per µg of protein as determined by the LAL assay

Bioactivity: ED50 ≤ 1.0ng/mg as determined by the dose dependent proliferation of murine BABL/c 3T3 cells.

Formulation: Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Tris-HCl (pH 7.5) and 200 mM NaCl with no additives.

Storage/Stability: This product is shipped at 4 °C with cold pack. It is stable for up to 6 months from date of receipt when stored at -20°C. Multiple freeze/thaw cycles should be avoided as it can result in significant loss of activity.

Reconstitution: Centrifuge the vial before opening. Reconstitute in sterile water to a concentration of 0.1 -1.0 mg/ml. *Do not vortex.* For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

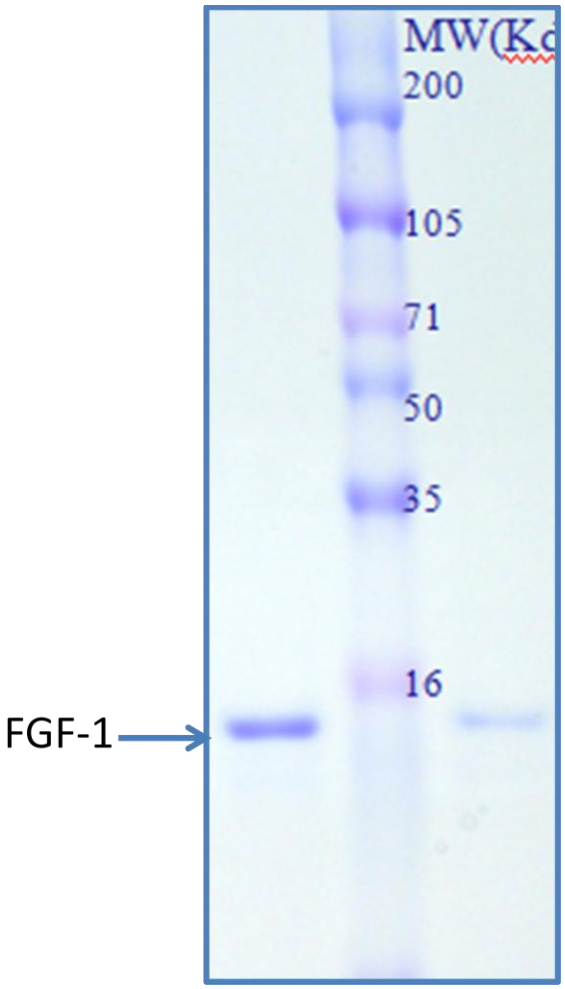

Figure 1: SDS-PAGE gel of Recombinant Human FGF-1Sample