

Recombinant Human Acidic FGF (FGF-1) (Ready-To-Use)

(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-C

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

AA Sequence: FNLPPGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAES
VGEVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYISK
KHAEKNWFVGLKKNNGSCKRGRPTHYQGQKAILFLPLPVSSD

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 in 10 mM Tris-HCl (pH 7.5) and 200 mM NaCl through a 0.2 micron filter.

Storage/Stability: This product is shipped on dry ice. It is stable for up to 6 months from date of receipt when stored at -80°C. Multiple freeze/thaw cycles should be avoided as it can result in significant loss of activity.

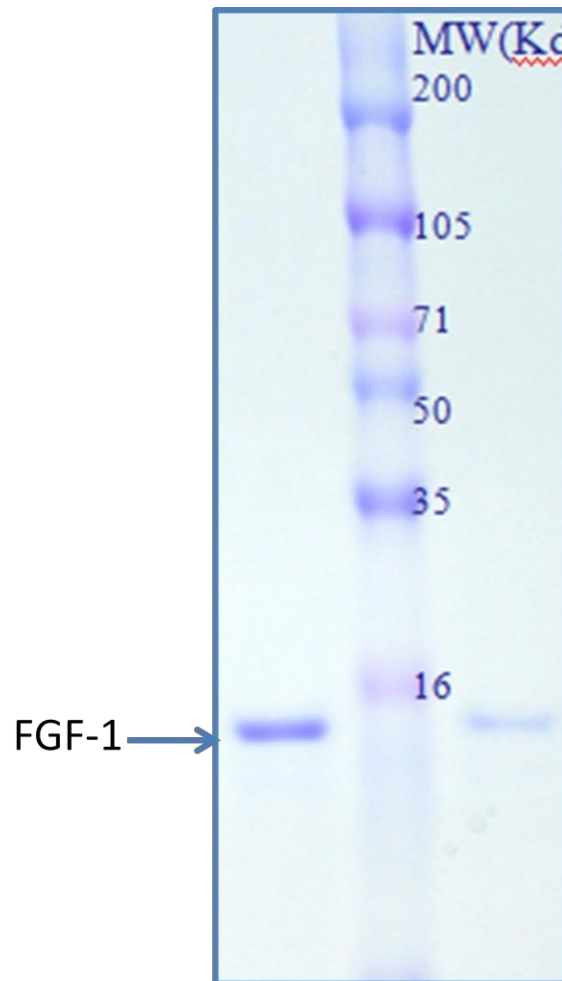


Figure 1: SDS-PAGE gel of Recombinant Human FGF-1 Sample