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RECOMBINANT HUMAN FIBROBLAST GROWTH FACTOR-8

CATALOG NUMBER: GF110

LOT NUMBER:

QUANTITY: 25 μg

DESCRIPTION: Fibroblast Growth Factor-8 (FGF-8) is a heparin binding growth factor that stimulates the proliferation and activation of cells that express FGF receptors. Recombinant Human FGF-8 is a 22.4 kDa protein containing 193 amino residues.

SOURCE: *E. Coli*

PURITY: Greater than 95% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per μg (1EU/μg) of FGF-8.

ACTIVITY: The ED_{50} was determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is $\leq$0.5 ng/mL, corresponding to a specific activity of $\geq 2 \times 10^6$ units/mg.

PRESENTATION: The sterile filtered solution was lyophilized from 10 mM Tris, pH 8.0 + 75 mM NaCl. The protein may appear as a haze or film, which you may not see at the bottom of the vial.

STORAGE/HANDLING: The lyophilized powder is stable for a few weeks at room temperature, but best stored at -20°C for up to 12 months after date of receipt. After a quick spin, reconstitute with 10 mM Tris, pH 8.0 to a concentration of 0.1-1.0 mg/mL. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use. Reconstituted human FGF-8 should be stored in undiluted aliquots at -20°C for up to 6 months. Avoid repeated freeze/thaw cycles.

For research use only; not for use as a diagnostic.

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