



RECOMBINANT HUMAN FIBROBLAST GROWTH FACTOR-4 [FGF-4]

CATALOG NUMBER:	GF098
LOT NUMBER:	
QUANTITY:	25 µg
DESCRIPTION:	The fibroblast growth factors play key roles in controlling tissue growth, morphogenesis and repair in animals. FGF-4 is a heparin binding growth factor that stimulates the proliferation and activation of cells that express FGF receptors. GF098 is a 19.7 kDa protein containing 182 amino residues.
SOURCE:	<i>E. coli</i>
PURITY:	Greater than 95% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/µg) of FGF-4.
BIOLOGICAL ACTIVITY:	The ED ₅₀ as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is ≤ 0.5 ng/mL, corresponding to a specific activity of ≥ 2 x 10 ⁶ units/mg.
PRESENTATION:	Sterile filtered and then lyophilized from 10 mM Sodium Phosphate, pH 7.4 + 100 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 protein can be stored for a few weeks at room temperature but is best stored at -20°C for up to 12 months after date of receipt. After a quick spin, reconstitute in water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other buffer solutions and stored at 2-8°C for 1 week or at -20°C for future use. Reconstituted FGF-4 should be stored in undiluted aliquots at -20°C for up to 6 months. Freeze/thaw cycles will result in significant loss of activity.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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