



## RECOMBINANT HUMAN FIBROBLAST GROWTH FACTOR-8

<b>CATALOG NUMBER:</b>	GF110
<b>LOT NUMBER:</b>	
<b>QUANTITY:</b>	25 µg
<b>DESCRIPTION:</b>	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.
<b>SOURCE:</b>	<i>E. Coli</i>
<b>PURITY:</b>	Greater than 95% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/µg) of FGF-8.
<b>ACTIVITY:</b>	The ED <sub>50</sub> was 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 <sup>6</sup> units/mg.
<b>PRESENTATION:</b>	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.
<b>STORAGE/HANDLING:</b>	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.

**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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