

Recombinant Human FGF-8

CATALOG #: 4053-25 25 µg
4053-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >95% by SDS-PAGE
Endotoxin level is <0.1 ng per µg of FGF-8.

MOL. WEIGHT: 22.4 kDa

FORM:

Lyophilized in 10 mM Tris, pH 8.0 + 75 mM NaCl. The protein may appear as a haze or film, which may not be seen at the bottom of the vial.

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 5 mM Tris, pH 8.0 to a concentration of 0.1-1 mg/ml. This solution can be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use. Repeated freeze/thaw cycles will result in some loss of activity.

STORAGE CONDITIONS:

The lyophilized FGF-8 is best-stored desiccated below 0°C. Reconstituted FGF-8 should be stored at working aliquots at -20°C.

DESCRIPTION:

Fibroblast Growth Factor-8 (FGF-8) is also known as Androgen-induced Growth Factor (AIGF), a heparin binding growth factor, which stimulates the proliferation and activation of cells that express the FGF receptors. Recombinant human FGF-8 is a 22.4 kDa protein containing 193 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ 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 10⁶ units/mg.

FOR RESEARCH USE ONLY! Not to be used in humans.

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