

Recombinant Human FGF-18

CATALOG #: 4082-25 25 µg
4082-100 100 µg
4082-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >95% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of FGF-18.

MOL. WEIGHT: 21.2 kDa

FORM:

Lyophilized from 10 mM Tris pH 8.0. The protein may appear as a haze or film, which you may not see 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 0.1-1.0 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.

STORAGE CONDITIONS:

The lyophilized FGF-18 is best-stored desiccated below 0°C. Reconstituted FGF-18 should be stored in working aliquots at -20°C. Repeated Freeze/thaw cycles will result in some loss of activity.

DESCRIPTION:

The FGFs plays an important role in regulating tissue growth, morphogenesis and tissue repair. FGF-18 is a newly discovered heparin binding growth factor that stimulates the proliferation and activation of cells that express FGF receptors. The human FGF-18 is a 21.2 kDa protein containing 182 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.

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