



Recombinant Human FGF-8 (Fibroblast Growth Factor-8)

PRODUCT ANALYSIS SHEET

Catalog Number:	PHG0184
Lot Number:	See product label
Quantity:	25 µg
Molecular Weight:	22.4 kDa, 193 amino acid residues
Purity:	>95% by SDS PAGE and HPLC analyses
Biological Activity:	ED ₅₀ ≤ 0.5 ng/mL (≥ 2 x 10 ⁶ units/mg), determined by the dose dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors. FGF-8, also known as Androgen-Induced Growth Factor (AIGF), is a heparin binding growth factor expressed by spermatogonia in the testes and antral follicles in the ovary.
Formulation:	Lyophilized from 10 mM Tris, pH 8.0, with 75 mM sodium chloride. Sterile filtered prior to lyophilization.
Endotoxin:	<0.1 ng/µg
Production:	Produced in <i>E. coli</i> and purified by sequential chromatography.
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 10 mM Tris, pH 8.0, to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in aqueous buffers supplemented with carrier protein, such as 0.1-1.0% BSA.
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.
Storage:	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C. Avoid repeated freeze/thaw cycles.
Expiration Date:	Expires one year from date of receipt when stored as instructed.

This product is for research use only. Not for use in diagnostic procedures.

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Manufactured under ISO 13485 Quality Standard

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