



Product Data Sheet

Recombinant Human / Mouse FGF-8

Catalog Number: 800-03

Product Description

Alternate Names: Androgen-induced growth factor, AIGF, Heparin-binding growth factor 8, HBGF-8, FGF-8b isoform

Accession Number: P55075 / P37237

Description: Fibroblast growth factor 8 (FGF-8) is a critical mitogenic factor that is required for normal development of the eye, ear, brain, and limb. FGF-8 functions broadly to promote cell proliferation, differentiation, and migration. Overexpression of FGF-8 increases tumor growth and angiogenesis. Human and mouse FGF-8 proteins show 100% homology.

Source: Genetically modified *E.coli*.

Predicted MW: Monomer, 22.5 kDa (with 194 amino acids)

AA Sequence: MQVTVQSSPN FTQHVREQLS VTDQLSRRLI RTYQLYSRTS GKHVQVLANK RINAMAEDGD PFAKLIVETD TFGSRVVRGAETGLYICMN KKGKLIAKSN GKGKDCVFTE IVLENNYTAL QNAKYEGWYM AFTRKGRPRK GSKTRQHQRE VHFMRKLRPG HHTTEQLSRFEFLNYPFTR SLRGSQRTWA PEPR

Formulation: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% TFA

Product Specifications*

*Lot-specific values for the following specifications are supplied with each production lot on its corresponding COA.

Specification	Method of Determination	Acceptance Criteria
Purity	Reducing and Non-Reducing SDS-PAGE	≥ 95%
Endotoxin	Kinetic LAL (50% confidence)	≤ 1 EUs/μg
Biological Activity	3T3 cell proliferation	ED50 ≤ 150 ng/mL (≥ 6.7 x 10 ³ units/mg) (typical ED50 is < 20 ng/mL)

Product Preparation and Storage

Country of Origin: USA **Shipping:** Room temperature **Storage Prior to Reconstitution:** -20°C

Product Reconstitution: Sterile water at 0.1 mg/mL

Instructions: Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws.

Expiration Date:

12 months from date of receipt when stored at -20°C to -80°C as supplied.

1 month when stored at 4°C after reconstituting as directed.

3 months when stored at -20°C to -80°C after reconstituting as directed.

THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!