

Murine FGF-8 (246 aa)

Synonyms: Fibroblast growth factor 8, FGF-8, Androgen-induced growth factor, AIGF, Heparin-binding growth factor 8, HBGF-8, Fgf8.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	1376.960.005		
25 µg	1376.960.025		
1 mg	1376.960.199		

Please enquire for bulk quantities and other vial sizes

Description

FGF-8 Murine Recombinant produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 246 amino acids and having a molecular mass of 28.1kDa.

- **Biological Activity** ≥ 4 x 10⁴ units/mg
- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** FGF-8 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀, as determined by the dose-dependent a cell proliferation assay using NR6R-3T3 mouse fibroblast cells is <25 ng/ml in the presence of 0.1 ug/ml heprin, corresponding to a specific activity of > 4.0×10⁴ units/mg.

Reconstitution

It is recommended to reconstitute the lyophilized FGF-8 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized FGF-8 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-8 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

QVRSAAQKRG PGAGNPADTL GQGHEDRPFG QRSRAGKNFT NPAPNYPEEG SKEQRDSVLP KVTQRHVREQ
 SLVTDQLSRR LIRTYQLYSR TSGKHVQVLA NKRINAMAED GDPFAKLIVE TDTFGSRVRV RGAETGLYIC
 MNKKGKLIK SNGKGDVCF TEIVLENNYT ALQNAKYEGW YMAFTRKGRP RKGSKTRQHQ REVHFMKRLP
 RGHHTTEQSL RFEFLNYPPF TRSLRGSQRT WAPEPR

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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