

Rat FGF-18

Synonyms: Fibroblast growth factor 18, FGF-18, zFGF5, Fgf18, D130055P09Rik.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	1382.970.005		
25 µg	1382.970.025		
1 mg	1382.970.199		

Please enquire for bulk quantities and other vial sizes

Description

FGF18 Rat Recombinant produced in *E. Coli* is a single, non-glycosylated, polypeptide chain containing 180 amino acids and having a molecular mass of 21.0kDa.

- **Biological Activity** $\geq 2 \times 10^6$ units/mg
- **Source** *E. Coli*
- **Purity** $\geq 95\%$ (SDS-PAGE, HPLC)
- **Endotoxin level** $\leq 0.1\text{ng}/\mu\text{g}$ ($\leq 1\text{EU}/\mu\text{g}$)
- **Buffer** 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 stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors is $< 0.5\text{ng}/\text{ml}$, corresponding to a specific activity of $> 2.0 \times 1,000,000$ units/mg.

Reconstitution

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

Stability

Lyophilized FGF 18 Rat although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF 18 Rat should be stored at 4°C between 2-7 days and for future use below -18°C.

Please avoid repeated freeze-thaw cycles.

Amino Acid Sequence

EENVDFRIHV ENQTRARDDV SRKQLRLYL QL YSRTSGKHIQ VLGRRI SARG EDGDKYAQLL VETDTFGSQV
 RIKGKETEFY LCMNRKGKLV GKPDGTSKEC VFIEKVLENN YTALMSAKYS GWYVGFTKKG RPRKGPKTRE
 NQQDVHFMKR YPKGQTELQK PFKYTTVTKR SRRIRPHTPG

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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