

## FGF-18 Rat

**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. The FGF 18 Rat is purified by proprietary chromatographic techniques.

**Catalog #:** CYP5-183

For research use only.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:** EENVDFRIHV ENQTRARDDV SRKQLRLYQL YSRTSGKHIQ  
VLGRRISARG EDGDKYAQLL VETDTFGSQV RIKGKETEFY LCMNRKGKLV GKPDGTSKEC  
VFIEKVLINN YTALMSAKYS GWYVGFTKKG RPRKGPKTRE NQQDVHFMKR YPKGQTELQK  
PFKYTTVTKR SRRIRPTHPG

**Purity:** Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.

### Formulation:

Lyophilized from a 0.2um filtered concentrated solution in PBS, pH 7.4.

### 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 prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Solubility:

It is recommended to reconstitute the lyophilized FGF 18 in sterile 18M-cm H<sub>2</sub>O not less than 100

### Introduction:

Fibroblast growth factor 18 (FGF18) is a member of the large FGF family which has at least 23 members. FGF18 is a heparin binding growth factor with a core 120 amino acid FGF domain which allows for a common tertiary structure. FGFs are expressed in the course of the embryonic development and in restricted adult tissues. FGF-18 is an indispensable regulator of long bone and calvarial development. FGF-18 signals via FGFR 1c, 2c, 3c, and 4.

### Biological Activity:

The ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors is 0.5ng/ml, corresponding to a specific activity of 2.0

**To place an order, please [Click HERE](#).**