9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

FGF-18 Rat

Fibroblast Growth Factor-18 Rat Recombinant
GRF0095

Product Overview

Name	FGF-18 Rat

Description

Fibroblast Growth Factor-18 Rat Recombinant

Synonyms

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

Introduction

Fibroblast growth factor 18 (FGF18) is a member of the large FGF family which has at least 23 members. FGF18 is a 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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2um filtered concentrated solution in PBS and 0.5M NaCl, 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.

Purity

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

Amino acid sequence

EENVDFRIHV ENQTRARDDV SRKQLRLYQL YSRTSGKHIQ VLGRRISARG EDGDKYAQLL VETDTFGSQV RIKGKETEFY LCMNRKGKLV GKPDGTSKEC VFIEKVLENN YTALMSAKYS GWYVGFTKKG RPRKGPKTRE NQQDVHFMKR YPKGQTELQK PFKYTTVTKR SRRIRPTHPG

Biological Activity

Solubility

It is recommended to reconstitute the lyophilized FGF 18 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

FGF-18 Rat is for research use only and not for use in diagnostic or therapeutic procedures.