9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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FGF 18 Mouse

Fibroblast Growth Factor-18 Mouse Recombinant
GRF0060

Product Overview

Name	FGF 18 Mouse

Description

Fibroblast Growth Factor-18 Mouse Recombinant

Accession (Primary)	O89101

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 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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

FGF-18 protein was lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

Stability

Lyophilized FGF-18 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-18 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 prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

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

Biological Activity

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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 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O89101)