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

FGF 18 Human, His

Fibroblast Growth Factor-18 Human Recombinant, His Tag
GRF0059

Product Overview

Name	FGF 18 Human, His

Description

Fibroblast Growth Factor-18 Human Recombinant, His Tag

Accession (Primary)	O76093

Synonyms

Fibroblast growth factor 18, FGF-18, zFGF5, FGF18.

Introduction

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

Filtered White lyophilized (freeze-dried) powder.

Formulation

FGF18 was filtered (0.4 µm) and lyophilized in phosphate buffered saline and 5% w/v trehalose.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Purity

Purity as determined by densitometric image analysis is greater than 95%.

Amino acid sequence

MKHHHHHHAS EENVDFRIHV ENQTRARDDV SRKQLRLYQL YSRTSGKHIQ VLGRRISARG EDGDKYAQLL VETDTFGSQV RIKGKETEFY LCMNRKGKLV GKPDGTSKEC VFIEKVLENN YTALMSAKYS GWYVGFTKKG RPRKGPKTRE NQQDVHFMKR YPKGQPELQK PFKYTTVTKR SRRIRPTHPA.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. FGF18 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

FGF 18 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O76093)