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FGF17 Mouse

Fibroblast Growth Factor 17 Mouse Recombinant
GRF0094

Product Overview

Name	FGF17 Mouse

Description

Fibroblast Growth Factor 17 Mouse Recombinant

Accession (Primary)	O60258

Synonyms

Fibroblast growth factor 17, FGF-17, FGF17, FGF-13, HH20.

Introduction

Fibroblast Growth Factor 17 (FGF17) is a part of the fibroblast growth factor family. FGF family members have broad mitogenic and cell survival activities, and are involved in various biological processes includingmorphogenesis, embryonic development cell growth, , tissue repair, tumor growth and invasion. The FGF17 gene is highly expressed in the cerebellum and cortex. The mouse homolog of the FGF17 gene is localized to specific sites in the midline structures of the forebrain, the midbrain-hindbrain junction, developing skeleton and developing arteries, suggesting a part in central nervous system, bone and vascular development.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM Tris-HCl, pH 8.0, 0.02 % Tween-20 and 700 mM NaCl.

Stability

Lyophilized FGF17 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Fibroblast Growth Factor 17 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 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

TQGENHPSPN FNQYVRDQGA MTDQLSRRQI REYQLYSRTS GKHVQVTGRR ISATAEDGNK FAKLIVETDT

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FGSRVRIKGA ESEKYICMNK RGKLIGKPSG KSKDCVFTEI VLENNYTAFQ NARHEGWFMA FTRQGRPRQA SRSRQNQREA HFIKRLYQGQ LPFPNHAERQ KQFEFVGSAP TRRTKRTRRP QSQT.

Biological Activity

Solubility

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor 17 in sterile PBS not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

FGF17 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O60258)