

FGF5 Human

Fibroblast Growth Factor-5 Human Recombinant
GRF0103

Product Overview

Name FGF5 Human

Description

Fibroblast Growth Factor-5 Human Recombinant

Accession (Primary) [P12034](#)

Synonyms

Fibroblast Growth Factor 6, Heparin Secretory-Transforming Protein 2, Heparin-Binding Growth Factor 6, HBGF-6, HSTF-2, FGF-6, HST-2, HST2, HSTF2, FGF6.

Introduction

Fibroblast Growth Factor-6 (FGF6) belongs to the fibroblast growth factor (FGF) family. FGF family members possess extensive mitogenic and cell survival functions, and are involved in various biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The FGF6 gene displays oncogenic transforming activity when transfected into mammalian cells. The mouse homolog of the FGF6 gene displays a restricted expression profile predominantly in the myogenic lineage, suggesting a role in muscle regeneration or differentiation.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

FGF-6 protein was lyophilized from a 0.2 µm filtered solution in 10mM sodium phosphate and 50mM sodium chloride pH 7.5.

Stability

Lyophilized FGF6 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-6 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 SDS-PAGE.

Amino acid sequence

MGTRANNTLL DSRGWGTTLS RSRAGLAGEI AGVNWESGYL VGIKRQRRLY CNVGIGFHLQ VLPDGRISGT
HEENPYSLLE ISTVERGVVS LFGVRSALFV AMNSKGRLYA TPSFQEECKF RETLLPNNYN AYESDLYQGT
YIALSKYGRV KRGSKVSPIM TVTHFLPRI.

Solubility

It is recommended to reconstitute the lyophilized FGF6 in sterile 18M-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

FGF5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P12034](#))