
Product Data Sheet

Product Name: FGF17 Human
 Cat. No.: GP20236
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Fibroblast growth factor 17; FGF-17; FGF17; FGF-13; HH20.		
Amino Acid Sequence	MTQGENHPSP NFNQYVRDQG AMTDQLSRRQ IREYQLYSRT SGKHVQVTGR RISATAEDGN KFAKLIVETD TFGSRVRIKG AESEKYICMN KRGKLGKPS GKSKDCVFTE IVLENNYTAF QNARHEGWFM AFTRQGRPRQ ASRSRQNQRE AHFIKRLYQG QLPFPNHAEK QKQFEFVGSA PTRRTRKRTRR PQPLT.		
Solubility	It is recommended to reconstitute the lyophilized FGF17 in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	FGF17 protein was lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4.		

Introduction

Fibroblast Growth Factor 17 (FGF17) belongs to the fibroblast growth factor (FGF) family. FGF family members have broad mitogenic and cell survival activities, and are involved in various biological processes including embryonic development cell growth, morphogenesis, 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 role in central nervous system, bone and vascular development.

Biological Activity

Fully biologically active when compared to standard. The ED₅₀ as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 10 ng/ml, corresponding to a specific activity of >1.0 6^{-L} 100,000 IU/mg.

Caution: Product has not been fully validated for medical applications. For research use only.

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Stability

Lyophilized FGF17 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution FGF17 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).

Background

FGF17 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 195 amino acids and having a molecular mass of 22.6kDa.

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