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## Product Data Sheet

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Product Name: FGF17 Mouse  
 Cat. No.: GP26022  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	atRoomtemp.
Synonyms	Fibroblast growth factor 17, FGF-17, FGF17, FGF-13, HH20.		
Amino Acid Sequence	TQGENHPSPN FNQYVRDQGA MTDQLSRRQI REYQLYSRTS GKHVQVTGRR ISATAEDGNK FAKLIVETDT FGSRVRIKGA ESEKYICMNK RGKLGKPSG KSKDCVFTEI VLENNYTAFAQ NARHEGWFMA FTRQGRPRQA SRSRQNQREA HFIKRLYQGQ LPFPNHAERQ KQFEFVGSAP TRRTKRTRRP QSQT.		
Solubility	It is recommended to reconstitute the lyophilized Fibroblast Growth Factor 17 in sterile PBS not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in 20 mM Tris-HCl, pH 8.0, 0.02 % Tween-20 and 700 mM NaCl.		

### 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 including morphogenesis, 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.

### Biological Activity

The ED50 as determined by a cell proliferation assay using murine balb/c 3T3 cells is < 10 ng/ml, corresponding to a specific activity of > 1.0 × 10<sup>5</sup> IU/mg in the presence of 10 µg/ml of heparin.

**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  $-18^{\circ}\text{C}$ . Upon reconstitution Fibroblast Growth Factor 17 should be stored at  $4^{\circ}\text{C}$  between 2-7 days and for future use below  $-18^{\circ}\text{C}$ . Please prevent freeze-thaw cycles.

### Background

Fibroblast Growth Factor 17 Mouse Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 194 amino acid and having a molecular mass of approximately 22.5kDa. FGF17 is purified by proprietary chromatographic techniques.

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