

**FGF-17**  
Catalog # PVGS1458

## Specification

---

### FGF-17 - Product Information

Primary Accession [O60258](#)  
Species  
Human

**Sequence**  
Thr23-Thr216, expressed with an N-terminal Met

**Purity**  
> 95% as analyzed by SDS-PAGE

**Endotoxin Level**  
< 0.2 EU/ µg of protein by gel clotting method

**Biological Activity**  
ED<sub>50</sub> < 0.5 ng/ml, measured by the cell proliferation assay using Balb/c3T3 cells, corresponding to a specific activity of > 2.0 × 10<sup>6</sup> units/mg.

**Expression System**  
E. coli

Formulation **Lyophilized after extensive dialysis against PBS.**

**Reconstitution**  
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH<sub>2</sub>O or PBS up to 100 µg/ml.

**Storage & Stability**  
Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

### FGF-17 - Additional Information

Gene ID 8822

**Other Names**  
Fibroblast growth factor 17, FGF-17, FGF17

**Target Background**  
Fibroblast Growth Factor-17 (FGF-17) is a heparin binding growth factor that is a member of the FGF family. Proteins of this family play multiple roles in biological functions, including angiogenesis, mitogenesis, cell differentiation and wound repair. FGF-17 plays an important role in organizing and inducing specific patterning at the midbrain/hindbrain junction. FGF-17 is also

expressed in the hindgut, parts of the developing skeleton, tail bud, major arteries, and heart. FGF-17 signals through hFGFR1c, 2c, 3c, and 4. FGF-17 signals induce patterning of the embryonic brain.

## **FGF-17 - Protein Information**

**Name** FGF17

### **Function**

Plays an important role in the regulation of embryonic development and as signaling molecule in the induction and patterning of the embryonic brain. Required for normal brain development.

### **Cellular Location**

Secreted.

### **Tissue Location**

Preferentially expressed in the embryonic brain.

## **FGF-17 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **FGF-17 - Images**