

[Go to Product page](#)

## Datasheet for ABIN2017817 FGF18 Protein (AA 27-199)

### Overview

Quantity:	50 µg
Target:	FGF18
Protein Characteristics:	AA 27-199
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Characteristics:	ED50 < 10 ng/mL, measured by a cell proliferation assay using 3T3 Cells, corresponding to a specific activity of > 1.0x 10 <sup>5</sup> units/mg. AA 27 -199, expressed with an N-terminal Met.
Purity:	> 95 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

### Target Details

Target:	FGF18
Alternative Name:	Fibroblast Growth Factor-18 (FGF-18) ( <a href="#">FGF18 Products</a> )
Background:	Fibroblast Growth Factor-18 (FGF-18) is a heparin-binding growth factor that is a member of the FGF family. FGF-18 signals through FGFR 1c, 2c, 3c, and 4. FGF-18 plays an important role in the regulation of cell proliferation, cell differentiation and cell migration. FGF-18 is required

## Target Details

for normal ossification and bone development. It can also stimulate hepatic and intestinal proliferation. Recombinant human Fibroblast Growth Factor-18 (rhFGF-18) produced in E. coli is a single non-glycosylated polypeptide chain containing 174 amino acids. A fully biologically active molecule, rhFGF-18 has a molecular mass of 20.3 kDa analyzed by reducing SDS-PAGE. Synonyms: Fibroblast Growth Factor-18, zFGF5, FGFI

Molecular Weight: 20.3 kDa, observed by reducing SDS-PAGE.

UniProt: [O76093](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH<sub>2</sub>O at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant human Fibroblast Growth Factor-18 (rhFGF-18) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rhFGF-18 should be stable up to 2 weeks at 4 °C or up to 3 months at -20 °C.

Expiry Date: 6 months