

## FGF-17 Protein, Human, Recombinant (His)

### General Information

Synonyms:	Fibroblast Growth Factor 17;FGF17;FGF-17
Protein Construction:	Thr23-Thr216
Species:	Human
Expression Host:	HEK293 Cells
Accession:	O60258
Molecular Weight:	31 KDa (reducing condition)
AA Sequence:	Thr23-Thr216

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Fibroblast Growth Factor 17 (FGF17) is a member of the heparin-binding growth factors family that is prominently expressed in the cerebellum and cortex. Proteins of this family possess broad mitogenic and cell survival activities and they are involved in a variety of biological processes including embryonic development cell growth, morphogenesis, tissue repair, tumor growth, and invasion. FGF17 plays an important role in the regulation of embryonic development and it acts as signaling molecule in the induction and patterning of the embryonic brain.

In addition, FGF17 stimulates the proliferation and activation of cells that express FGF receptors.

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