# Recombinant Human FGF-17 Protein (His Tag)

**Catalog No.** PKSH032435

***Note:*** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

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|---|---|
| **Synonyms** | Fibroblast Growth Factor 17;FGF-17;FGF17 |
| **Species** | Human |
| **Expression Host** | HEK293 Cells |
| **Sequence** | Thr 23-Thr 216 |
| **Accession** | O60258 |
| **Calculated Molecular Weight** | 22.6 kDa |
| **Observed molecular weight** | 31 kDa |
| **Tag** | C-His |
| **Bioactivity** | Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 2.1 ug/ml. |

## Properties

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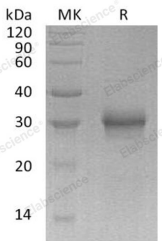
|---|---|
| **Purity** | > 95 % as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Storage** | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months. |
| **Shipping** | This product is provided as lyophilized powder which is shipped with ice packs. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| **Reconstitution** | Please refer to the printed manual for detailed information. |

## Data




> 95 % as determined by reducing SDS-PAGE.

## 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.


Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com