

**Recombinant Human FGF-21**  
**Catalog # PBG10097****Specification**

---

**Recombinant Human FGF-21 - Product Information****Recombinant Human FGF-21 - Additional Information****Description**

FGF-21 is a secreted growth factor that is a member of the FGF family. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-21, in the presence of  $\beta$ Klotho as a protein cofactor, signals through the FGFR 1c and 4 receptors and stimulates insulin independent glucose uptake by adipocytes. Recombinant human FGF-21 is a 19.5 kDa protein containing 182 amino acid residues.

**Biological Activity**

FGF-21, in the absence of  $\beta$ Klotho, shows weak activity of thymidine uptake by BaF3 cells expressing FGF receptors.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is  $<0.1$  ng/  $\mu$ g of protein ( $<1$ EU/  $\mu$ g).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Human FGF-21 is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human FGF-21 - 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](#)

## **Recombinant Human FGF-21 - Images**