

# Recombinant Human FGF-21 Protein

Catalog No.: RP00049 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	26291	Q9NSA1

### Tags

No tag

### Synonyms

FGF21; fibroblast growth factor 21

## Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM Tris, 100mM NaCl, pH 8.0. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

This protein is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes. This protein is a secreted endocrine factor that functions as a major metabolic regulator. The protein stimulates the uptake of glucose in adipose tissue.

## Basic Information

### Description

Recombinant Human FGF-21 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (His29-Ser209) of human FGF-21 (Accession #NP\_061986.1).

### Bio-Activity

#### Storage

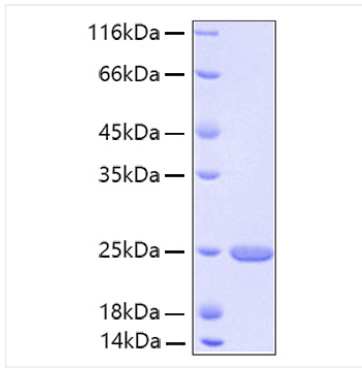
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human FGF-21 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 25 kDa.