



**Recombinant Human Fibroblast Growth Factor-21 Thermostable
(rhFGF-21ts)**

Catalog #104-21ts

Description

Fibroblast growth factor 21 (FGF-21) belongs to the large FGF family which has at least 23 members. However, FGF-21, along with FGF-19 and FGF-23, belongs to a subfamily of atypical FGFs where it lacks a conventional heparin-binding motif. The native human FGF-21 protein exhibits poor pharmacokinetics properties, resulting in a great challenge for clinical application. ScienCell's Recombinant Human Fibroblast Growth Factor-21 Thermostable is engineered for greater stability, which is bioactive longer than native protein. The rhFGF-21ts shares more than 95% amino acid identity with the native rhFGF-21.

Specifications

Synonyms:	FGF-21
AA Sequence:	> 95% sequence homology to native human FGF-21
Source:	<i>Escherichia coli</i>
Molecular Weight:	19.5 kDa, a single non-glycosylated polypeptide chain containing 182 amino acids
Purity	> 95%
Physical Appearance:	White lyophilized powder.
Endotoxin:	<0.1 ng/μg of protein (<1 EU/μg)

Formulation

Lyophilized from a 0.2μm filtered concentrated (1mg/ml) solution in PBS, pH 7.4.

Reconstitution

Reconstitute in sterile distilled water containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.

Shipping and Storage

Gel pack. Upon receipt, store at -20°C after receiving. Upon reconstitution, store at 2-8°C for up to one week. For maximal stability, aliquot and store at -20 °C. Avoid repeated freeze/ thaw cycles.

Usage

rhFGF-21ts is for research use only. It is not approved for human or animal use, or for application in clinical or *in vitro* diagnostic procedures.