



Optimize Your Research

# Recombinant Rat Fibroblast Growth Factor-21 protein

## Code CD00126

**Storage:** This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

### Intended Use

This product is for research use only, not for use in diagnosis procedures. It is highly recommended to read this instruction entirely before the use.

### Source

Escherichia coli.

### Molecular Weight

Approximately 19.7 kDa, a single non-glycosylated polypeptide chain containing 180 amino acids.

### Purity

> 95 % by SDS-PAGE and HPLC analyses.

### Biological Activity

Fully biologically active when compared to standard. The ED50 as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 0.5 µg/ml, corresponding to a specific activity of  $> 2.0 \times 10^3$  IU/mg in the presence of 5 µg/ml of rMuKlotho-β and 10 µg/ml of heparin.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a 0.2 µm filtered concentrated solution in PBS, 500 mM NaCl, pH 7.4.

### Sequence

AYPIDSSPL LQFGGQVRQR YLYTDDDQDT EAHLEIREDG TVVGTahrSP ESLELKALK PGVIQILGVK ASRFLCQQPD GTLYGSPHFD  
PEACSFRELL LKDGYNVYQS EAHGLPLRLP QKDSQDPATR GPNRFLPMPG LPHEPQECPG VLPPEPPDVG SSDPLSMVEP  
LQGRSPSYAS

### Endotoxin

Less than 1EU/µg of rRtFGF-21 as determined by LAL method.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at  $\leq -20$  °C. Further dilutions should be made in appropriate buffered solutions.

If you have any question on order please contact us via: [order@bt-laboratory.com](mailto:order@bt-laboratory.com); technical assistance please contact us via: [support@bt-laboratory.com](mailto:support@bt-laboratory.com) More product visit [www.bt-laboratory.com](http://www.bt-laboratory.com)