

## 32-20117: Animal-Free Recombinant Human FGF-21(Discontinued)

**Reactivity :** Mouse

**Alternative Name :** Fibroblast Growth Factor-21, FGFL

### Description

**Source:** **E.coli** 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, 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 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.

### Product Info

**Amount :** 5 µg / 25 µg

**Purification :** Purity:  $\geq$  95% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MHPIPDSSPL LQFGGQVRQR YLYTDDAQQT EAHLEIREDG TVGGAADQSP ESLLQLKALK PGVIQILGVK  
TSRFLCQRPD GALYGSLHFD PEACSFRELL LEDGYNVYQS EAHGLPLHLP GNKSPHRDPA PRGPARFLPL  
PGLPPALPEP PGILAPQPPD VGSSDPLSMV GPSQGRSPSY AS

### Application Note

Determined by its ability to stimulate the proliferation of murine NIH-3T3 cells. The expected  $ED_{50}$  for this effect is 0.3-0.6 µg/ml, in the presence of murine Klotho.