

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.