

Human FGF 21 Recombinant Protein



RPPB0241

Product Information Protein Information

Product SKU:

RPPB0241

Accession:

Q9NSA1

Host:

Escherichia Coli.

Protein description:

Fibroblast Growth Factor -21 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 182 amino acids and an N-terminal Methionin (bold), having a molecular weight of 19.5 kDa. The FGF-21 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered white lyophilized powder.

Synonyms:

Fibroblast growth factor 21, FGF-21.

Formulation:

Lyophilized from PBS, pH 7.4.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Fibroblast Growth Factor-21 Human Recombinant sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized FGF-21 Human Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Fibroblast Growth Factor 21 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MHPIPD**S** SPL**L**QFGGQV RQR**Y**LYTDDA QQTEAHLEIR EDGTVGGAAD QSPESLLQLK ALKPGVIQIL GVKTSRFLCQ RPDGALYGSL HFDPEAC**S**FR ELLLEDGYNV YQSEAHGLPL HLPGNKSPHR DPAPRGPARF LPLPGLPPAP PEPPGILAPQ PPDVGSSDPL SMVGPSQGRS PSYAS.

Biological Activity:

The ED50 as determined by the dose dependent stimulation of the proliferation of BAF3 cells expressing FGF receptors is 0.06-0.4µg/ml in the presence of betaKlotho.