

Human FGF20 Recombinant Protein



RPPB0240

Product Information Protein Information

Product SKU:

RPPB0240

Accession:

Q9NP95

Host:

Escherichia Coli.

Protein description:

FGF20 Human Recombinant (1-211) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 217 amino acids and having a molecular mass of 24kDa. The FGF-20 is fused to a 6 amino acid His tag [HHHHHH] at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Fibroblast Growth Factor 20, FGF-20, RHDA2, FGF20.

Formulation:

Lyophilized from a 0.2µm filtered solution in MOPS, (NH₄)₂SO₄, DTT and EDTA.

Purity:

Greater than 97.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized FGF-20 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized FGF20 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-20 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:

MHHHHHHHAPL AEVGGFLGGL EGLGQQVGSF FLLPPAGERP PLLGERRSAA ERSARGGPGA AQLAHLHGIL
RRRQLYCRTG FHLQILPDGS VQGTRQDHSF FGILEFISVA VGLVSIRGVD SGLYLG MNDK GELYGSEKLT
SECIFREQFE ENWYNTYSSN IYKHGDTGRR YFVALNKDGT PRDGARSKRH QKFTHFLPRP VDPERVPELY
KDLLMYT.

Biological Activity:

The ED₅₀, as measured in a proliferation assay using mouse NR6R-3T3 cells, is less than 2.5ng/ml.