

Human FGF-20

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
3 µg	1384.950.003		
15 µg	1384.950.015		
1 mg	1384.950.199		

Please enquire for bulk quantities and other vial sizes

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.

- **Source** *E. Coli*
- **Purity** ≥ 97 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a 0.2µm filtered solution in MOPS, (NH₄)₂SO₄, DTT and EDTA*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

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

Reconstitution

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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MHHHHHHAPL AEVGGFLGGL EGLGQQVGSF FLLPPAGERP PLLGERRSAA ERSARGGPGA AQLAHLHGIL
 RRRQLYCRTG FHLQILPDGS VQGTRQDHSL FGILEFISVA VGLVSIRGVD SGLYLGMDNK GELYGSEKLT
 SECIFREQFE ENWYNTYSSN IYKHGDTGRR YFVALNKDGT PRDGARSKRH QKFTHFLPRP VDPERVPPELY
 KDLLMYT

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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