9051 Mira Mesa Blvd, #910094
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FGF20 Human

Fibroblast Growth Factor-20 Human Recombinant
GRF0099

Product Overview

Name	FGF20 Human
Description	
Fibroblast Growth Factor-20 Human Recombinant	
Accession (Primary)	Q9NP95
Synonyms	
Fibroblast Growth Factor 20, FGF-20, RHDA2, FGF20.	
Introduction	
Fibroblast growth factor 20 (FGF20) belongs to the FGF gene family and member of FGF-9 subfamily (based upon its structure). Human FGF20 has several receptors which include FGF R1c, FGF R2c, FGF R3b, FGF R3c and FGF R4. FGF20 is expressed a various cells, including dopaminergic neurons, fibroblasts, keratinocytes and breast epithelium, and numerous sites in the fetus.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 µm filtered solution in MOPS, (NH 4) 2 SO 4 , DTT and EDTA.	
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.	
Purity	
Greater than 97.0% as determined by SDS-PAGE.	
Amino acid sequence	
MHHHHHHAPL AEVGGFLGGL EGLGQQVGSH FLLPPAGERP PLLGERRSAA ERSARGGPGA AQLAHLHGIL RRRQLYCRTG FHLQILPDGS VQGTRQDHSL FGILEFISVA VGLVSIRGVD SGLYLGMNDK GELYGSEKLT SECIFREQFE ENWYNTYSSN IYKHGDTGRR YFVALNKDGT PRDGARSKRH QKFTHFLPRP VDPERVPELY KDLLMYT.	

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Biological Activity

The ED 50 , as measured in a proliferation assay using mouse NR6R-3T3 cells, is less than 2.5ng/ml.

Solubility

It is recommended to reconstitute the lyophilized FGF-20 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

FGF20 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NP95)