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32-6355: FGF20 Human

Application : Functional Assay
Alternative Name : Fibroblast Growth Factor 20, FGF-20, RHDA2, FGF20.

Description

Source: Escherichia Coli.
Sterile Filtered White lyophilized (freeze-dried) powder.
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.
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.

Product Info

Amount :	3 µg / 15 µg
Purification :	Greater than 97.0% as determined by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered solution in MOPS, (NH4)2SO4, DTT and EDTA. 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.
Storage condition :	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 :	MHHHHHHAPL AEVGGFLGGL EGLGQQVGSH FLLPPAGERP PLLGERRSAA ERSARGGPGA AQLAHLHGIL RRRQLYCRTG FHLQILPDGS VQGTRQDHSL FGILEFISVA VGLVSIRGVD SGLYLGMNDK GELYGSEKLT SECIFREQFE ENWYNTYSSN IYKHGDTGRR YFVALNKDGT PRDGARSKRH QKFTHFLPRP VDPERVPELY KDLLMYT.

Application Note

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