Active Recombinant Human FGF20 protein, His-tagged

Cat. No. FGF20-15H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF20(1-211 aa) fused with Hs tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-211 a.a.
Description	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.
Form	Lyophilized from a 0.2μm filtered solution in MOPS, (NH4)2SO4, DTT and EDTA.
Bio-activity	The ED50, as measured in a proliferation assay using mouse NR6R-3T3 cells, is less than 2.5ng/ml.
Molecular Mass	24kDa
AA Sequence	MHHHHHHAPL AEVGGFLGGL EGLGQQVGSH FLLPPAGERP PLLGERRSAA ERSARGGPGA AQLAHLHGIL RRRQLYCRTG FHLQILPDGS VQGTRQDHSL FGILEFISVA VGLVSIRGVD SGLYLGMNDK GELYGSEKLT SECIFREQFE

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	ENWYNTYSSN IYKHGDTGRR YFVALNKDGT PRDGARSKRH QKFTHFLPRP VDPERVPELY KDLLMYT.
Purity	Greater than 97.0% as determined by SDS-PAGE.
Storage	Lyophilized FGF20 although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution FGF-20 should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
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.

GENE INFORMATION

Gene Name	FGF20 fibroblast growth factor 20 [Homo sapiens]
Official Symbol	FGF20
Synonyms	FGF20; fibroblast growth factor 20; FGF-20;
Gene ID	26281
mRNA Refseq	NM_019851
Protein Refseq	NP_062825
MIM	605558
UniProt ID	Q9NP95

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