

## Active Recombinant Human FGF20 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FGF20(1-211 aa) fused with Hs tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-211 a.a.
<b>Description</b>	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.
<b>Form</b>	Lyophilized from a 0.2µ filtered solution in MOPS, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> , DTT and EDTA.
<b>Bio-activity</b>	The ED <sub>50</sub> , as measured in a proliferation assay using mouse NR6R-3T3 cells, is less than 2.5ng/ml.
<b>Molecular Mass</b>	24kDa
<b>AA Sequence</b>	MHHHHHHAPL AEVGGFLGGL EGLGQQVGSF FLLPPAGERP PLLGERRSAA ERSARGGPGA AQLAHLHGIL RRRQLYCRTG FHLQILPDGS VQGTRQDHSL FGILEFISVA VGLVSIRGVD SGLYLG MNDK 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 H<sub>2</sub>O not less than 100g/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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