

## Human recombinant FGF-20 (Fibroblast growth factor-20) protein, AF

Catalog Number: PROTQ9NP95-2

### Overview

Product Name	Human recombinant FGF-20 (Fibroblast growth factor-20) protein, AF
Description	Fibroblast Growth Factors-20 (FGF-20) is a 23.5 kDa member of the fibroblast Growth Factors with 211 amino acid residues. FGF-20 is mainly expressed from microglial cells. FGF-20 can regulate central nervous development and function, regulate the survival of dopaminergic neurons via FGF/FGFR-dependent signaling pathway.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.

### Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

### Purity

>98% as determined by SDS-PAGE.

### Molecular weight

The protein has a calculated MW of 24.24 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).

### Activity

Measure by its ability to induce 3T3 cells proliferation. The ED<sub>50</sub> for this effect is 1.3-3.2 ng/mL. The specific activity of recombinant human FGF-20 is > 2 x 10<sup>6</sup> IU/mg.

### Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

### Amino Acid Sequence

MPLAEVGGFLGGLEGLGQQVGSFHLLPPAGERPPLLGERSSAAERSARGGPGAAQLAHLHGILRRRQLYCRTGFHLQILPDGVSQGTRQDHSFGILEFIS  
VAVGLVSIRGVDSGLYLG MNDKGELYGSEKLTSECIFREQFEENWYNTYSSNIYKHGDTGRRYFVALNKDGTPRDGARSKRHQKFTHFLPRPVDPERVP  
ELYKDLLMYT with polyhistidine tag at the C-terminus.

### Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## Usage

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