

## Recombinant Human FGF21 protein, His-tagged

Cat. No. FGF21-3279H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FGF21 protein(Q9NSA1-1)(His29-Ser209), fused with N-terminal His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	His29-Ser209
<b>Tag</b>	N-His
<b>Form</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Human FGF21, His Tag immobilized on CM5 Chip can bind Human Beta Klotho, His Tag with an affinity constant of 20nM as determined in a SPR assay (Biacore T200).
<b>Molecular Mass</b>	The protein has a predicted MW of 20.2 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
<b>Storage</b>	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual

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defrost freezer and avoid repeated freeze-thaw cycles.

**Reconstitution**

Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

**GENE INFORMATION**

**Gene Name** FGF21 fibroblast growth factor 21 [ Homo sapiens ]

**Official Symbol** FGF21

**Synonyms** FGF21; fibroblast growth factor 21; FGF-21;

**Gene ID** 26291

**mRNA Refseq** NM\_019113

**Protein Refseq** NP\_061986

**MIM** 609436

**UniProt ID** Q9NSA1

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