

Active Recombinant Human FGF17 protein, His-tagged

Cat. No. FGF17-1481H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FGF17 protein(O60258)(23-199 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	23-199 aa
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Fibroblast growth factor 17(FGF17) is a member of the fibroblast growth factor family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes, including embryonic development cell growth, morphogenesis, tissue repair, tumor growth, and invasion. A proliferation assay was conducted to detect the bioactivity of recombinant human FGF17 using Balb/c 3T3 cells. Briefly, 3T3 cells were seeded into triplicate wells of 96-well plates at a density of 4,000 cells/well and allowed to attach overnight, then the medium was replaced with various concentrations of FGF17 diluted with serum-free standard DMEM. After incubated for 48h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8(CCK-8). Briefly, 10 µl of CCK-8 solution was added to each well of the plate, then the absorbance at 450 nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37°C. Proliferation of Balb/c 3T3 cells after incubation with FGF17 for 48h observed by

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inverted microscope was shown. Cell viability was assessed by CCK-8(Cell Counting Kit-8) assay after incubation with recombinant FGF17 for 48h. It was obvious that FGF17 significantly increased cell viability of 3T3 cells. The ED50 of recombinant human FGF17 is 335ng/ml.

Molecular Mass	24.2kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 95%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	FGF17 fibroblast growth factor 17 [Homo sapiens]
Official Symbol	FGF17
Synonyms	FGF17; fibroblast growth factor 17; FGF 13; FGF-17; FGF-13;
Gene ID	8822
mRNA Refseq	NM_003867
Protein Refseq	NP_003858

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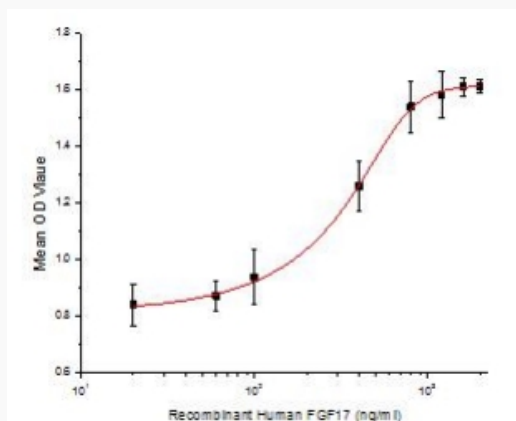
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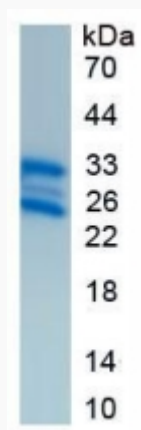
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UniProt ID O60258

Activity



SDS-PAGE



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