

Active Recombinant Human FGF17 protein, His-tagged

Cat. No. FGF17-577H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FGF17 protein(O60258)(23-216 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	23-216 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. Fibroblast Growth Factor Receptor 1 (FGFR1) is high affinity receptor for FGF17, thus a functional binding ELISA assay was conducted to detect the interaction of recombinant human FGF17 and recombinant human FGFR1. Briefly, biotin-linked FGF17 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 ul were then transferred to FGFR1-coated microtiter wells and incubated for 1h at 37°C. Wells were washed with PBST 3 times and incubation with Streptavidin-HRP for 30min, then wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50 μl stop solution to the wells and read at 450 nm immediately. The binding activity of recombinant human

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FGF17 and human FGFR1 was shown, the EC50 for this effect is 0.52 ug/mL.

Molecular Mass	26.2kDa
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

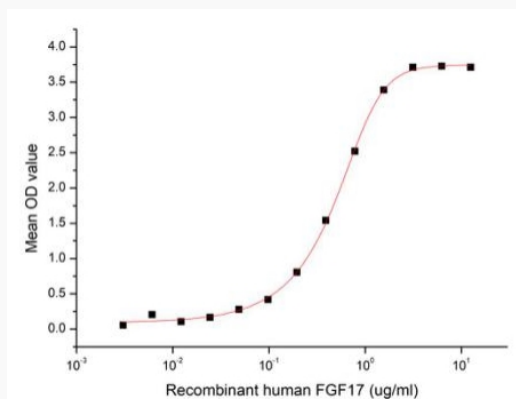
Gene Name	FGF17 fibroblast growth factor 17 [Homo sapiens]
Official Symbol	FGF17
Synonyms	FGF17; fibroblast growth factor 17; FGF 13; FGF-17; FGF-13;
Gene ID	8822
mRNA Refseq	NM_003867
Protein Refseq	NP_003858
MIM	603725
UniProt ID	O60258

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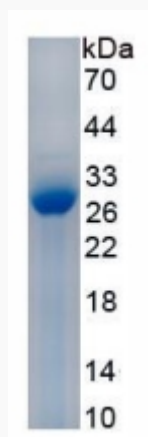
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Activity



SDS-PAGE



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