

Active Recombinant Rat FGF15 protein, His-tagged

Cat. No. FGF15-30R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat FGF15 protein(Q8VI81)(25-218 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Rat
Source	E.coli
ProteinLength	25-218 aa
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Fibroblast growth factor 15 is a protein in mouse encoded by the Fgf15 gene. It is a member of the fibroblast growth factor (FGF) family but, like FGF19, FGF21 and FGF23, has endocrine functions. FGF15 subsequently acts on a cell surface receptor complex in hepatocytes to repress bile acid synthesis and gluconeogenesis, and to stimulate glycogen and protein synthesis. Besides, Fibroblast Growth Factor Receptor 4 (FGFR4) has been identified as an interactor of FGF15, thus a binding ELISA assay was conducted to detect the interaction of recombinant rat FGF15 and recombinant rat FGFR4. Briefly, FGF15 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100µl then transferred to FGFR4-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-FGF15 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally,

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add 50µstop solution to the wells and read at 450nm immediately. The binding activity of FGF15 and FGFR4 was shown, and this effect was in a dose dependent manner.

Molecular Mass	23.8kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 90%
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

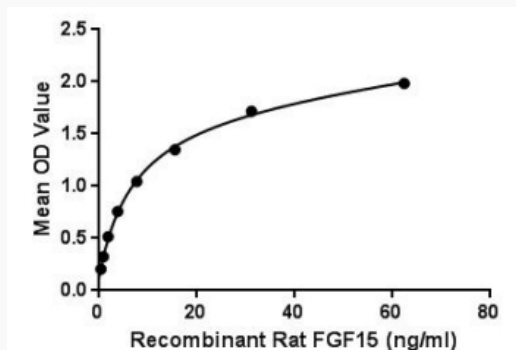
Gene Name	Fgf15 fibroblast growth factor 15 [Rattus norvegicus]
Official Symbol	FGF15
Synonyms	FGF15; fibroblast growth factor 15;
Gene ID	170582
mRNA Refseq	NM_130753
Protein Refseq	NP_570109

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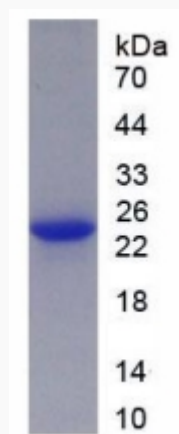
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Activity



SDS-PAGE



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