

Active Recombinant Human FGF13 protein, His-tagged

Cat. No. FGF13-8155H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FGF13 protein(Q92913)(63-245 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	63-245 aa
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Fibroblast growth factor 13 (FGF13) is a member of the fibroblast growth factor (FGF) 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. Besides, Prion Protein (PRNP) has been identified as an interactor of FGF13, thus a binding ELISA assay was conducted to detect the interaction of recombinant human FGF13 and recombinant human PRNP. Briefly, FGF13 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100μL were then transferred to PRNP-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-FGF13 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

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37°C. Finally, add 50μ stop solution to the wells and read at 450nm immediately. The binding activity of FGF13 and PRNP was shown, and this effect was in a dose dependent manner.

Molecular Mass	21.8kDa
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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	FGF13 fibroblast growth factor 13 [Homo sapiens]
Official Symbol	FGF13
Synonyms	FGF13; fibroblast growth factor 13; FGF2; FHF2; fibroblast growth factor homologous factor 2; FHF-2; FGF-13;
Gene ID	2258
mRNA Refseq	NM_001139498
Protein Refseq	NP_001132970

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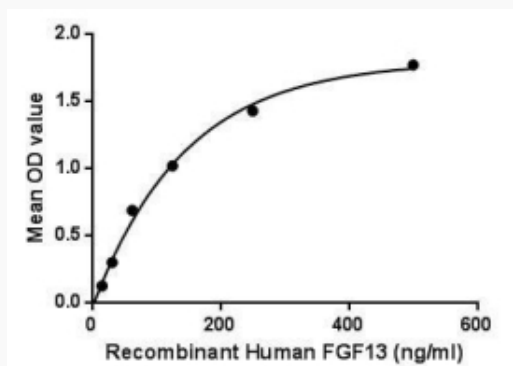
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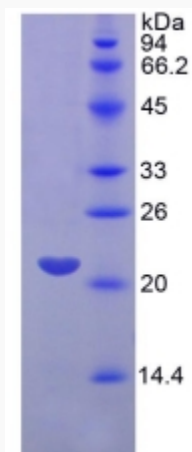
MIM 300070

UniProt ID Q92913

Activity



SDS-PAGE



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