Active Recombinant Human FGF11 protein, His-tagged

Cat. No. FGF11-8111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FGF11 protein(Q92914)(44-212 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	44-212 aa
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Fibroblast Growth Factor 11 (FGF11) 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. The function of this gene has not yet been determined. Besides, Fibroblast Growth Factor Receptor 1 (FGFR1) has been identified as an interactor of FGF11, thus a binding ELISA assay was conducted to detect the interaction of recombinant human FGF11 and recombinant human FGFR1. Briefly, FGF11 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100µl then transferred to FGFR1-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-FGF11 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

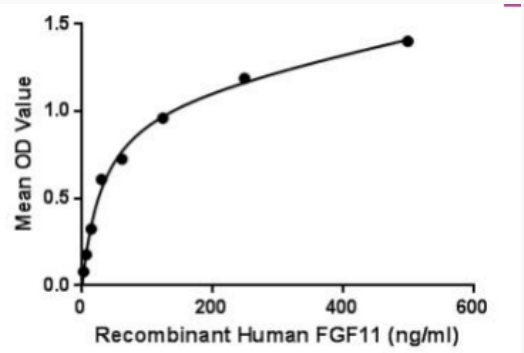
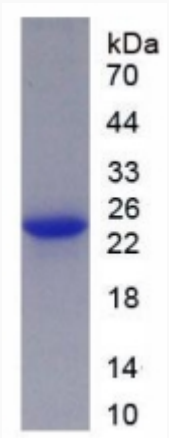
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	37°C. Finally, add 50µstop solution to the wells and read at 450nm immediately. The binding activity of FGF11 and FGFR1 was shown, and this effect was in a dose dependent manner.
Molecular Mass	22.8kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL 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	FGF11 fibroblast growth factor 11 [Homo sapiens]
Official Symbol	FGF11
Synonyms	FGF11; fibroblast growth factor 11; FHF3; fibroblast growth factor homologous factor 3; FLJ16061; MGC45269; MGC102953; FHF-3; FGF-11;
Gene ID	2256
mRNA Refseq	NM_004112
Protein Refseq	NP_004103

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MIM	601514
UniProt ID	Q92914
Activity	
SDS-PAGE	

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