

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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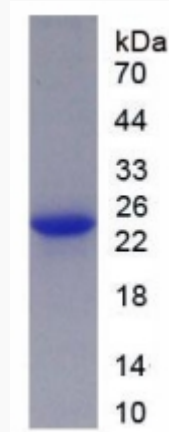
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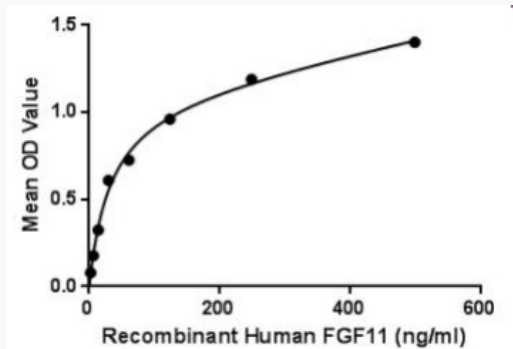
MIM 601514

UniProt ID Q92914

SDS-PAGE



Activity



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