

Fibroblast Growth Factor 13 (FGF13) Active Protein | FGF13 active protein

Active Fibroblast Growth Factor 13 (FGF13)

CATALOG # AAA148205	HOST E Coli	REACTIVITY Rat	APPLICATIONS Activity Assay, Cell Culture
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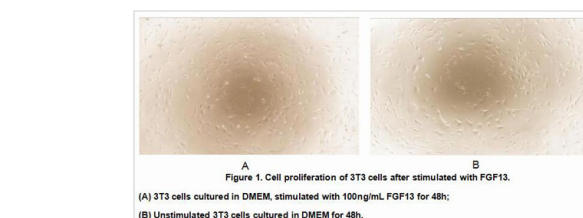
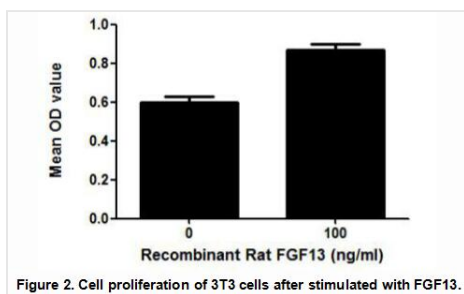
PRODUCT SYNONYMS

Fibroblast Growth Factor 13 (FGF13); Active Fibroblast Growth Factor 13 (FGF13); FHF2; Fibroblast Growth Factor Homologous Factor 2; FGF13 active protein

PRODUCT SPECIFICATIONS

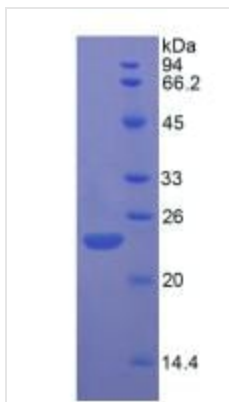
Host	E Coli
Reactivity	Rat
Purity/Purification	> 97%
Form/Format	Freeze-dried powder
Sequence Length	192
Applicable Applications for FGF13 active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Met1~Thr192
Isoelectric Point	9.2

IMAGES

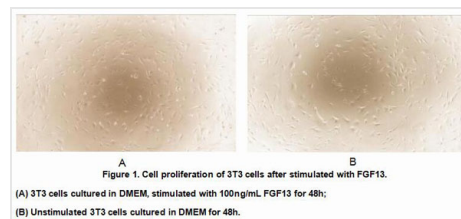


Application Data

Application Data



SDS-PAGE



Activity

FGF13 (Fibroblast growth factor 13) 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. A proliferation assay was conducted to detect the bioactivity of recombinant rat FGF13 using 3T3 cells. Briefly, 3T3 cells were seeded into triplicate wells of 96-well plates at a density of 2,000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard DMEM prior to the addition of various concentrations of FGF13. After incubated for 48h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10uL of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37 degree C. Proliferation of 3T3 cells after incubation with FGF13 for 48h observed by inverted microscope was shown in Figure 1. Cell viability was assessed by CCK-8 (Cell Counting Kit-8) assay after incubation with recombinant FGF13 for 48h. The result was shown in Figure 2. It was obvious that FGF13 significantly increased cell viability of 3T3 cells.

ADDITIONAL INFORMATION

Product Categories/Family for FGF13 active protein	Cytokine
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16758168
NCBI GeneID	84488
NCBI Accession #	NP_445880.1
NCBI GenBank Nucleotide #	NM_053428.1
UniProt Accession #	Q9ERW3
Molecular Weight	Predicted Molecular Weight: 22.9kDa Accurate Molecular Weight: 24kDa
NCBI Official Full Name	fibroblast growth factor 13
NCBI Official Synonym Full Names	fibroblast growth factor 13
NCBI Official Symbol	Fgf13
NCBI Official Synonym Symbols	FGF-13
NCBI Protein Information	fibroblast growth factor 13
UniProt Protein Name	Fibroblast growth factor 13
UniProt Gene Name	Fgf13
UniProt Synonym Gene Names	FGF-13

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.