

Fibroblast Growth Factor 17 (FGF17) Active Protein | FGF17 active protein

Active Fibroblast Growth Factor 17 (FGF17)

CATALOG # AAA161896	HOST E Coli	APPLICATIONS Activity Assay, Cell Culture
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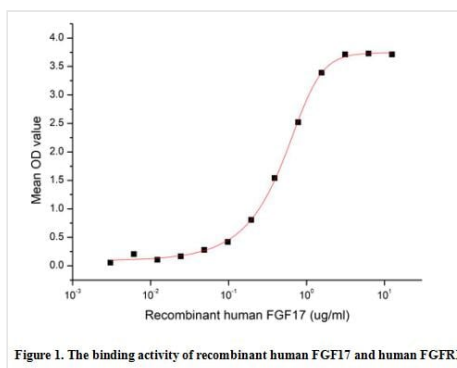
PRODUCT SYNONYMS

Fibroblast Growth Factor 17 (FGF17); Active Fibroblast Growth Factor 17 (FGF17); Fibroblast Growth Factor 174; FGF17 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95% by SDS-PAGE
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Sequence	Thr23~Thr216
Applicable Applications for FGF17 active protein	Activity Assay, Cell Culture
Species	Human
Expression System	Prokaryotic expression
Tag	N-terminal His Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	11.2
Research Area	Cytokine
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months

IMAGES



Bioactivity

Fibroblast growth factor 17 (FGF17) is a member of the fibroblast growth factor 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 angiogenesis. Fibroblast Growth Factor Receptor 1 (FGFR1) is a high affinity receptor for FGF17, thus a functional binding ELISA assay was conducted to detect the interaction of recombinant human FGF17 and recombinant human FGFR1. Briefly, biotin-linked FGF17 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 μ l were then transferred to FGFR1-coated microtiter wells and incubated for 1h at 37 degree C. After washing with PBST 3 times and incubation with Streptavidin-HRP for 30min, then wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37 degree C. Stop solution was added to the wells and read at 450 nm immediately. The binding activity of recombinant human FGF17 and human FGFR1 was shown in Figure 1, the EC50 for this effect is 0.52 μ g/mL.

ADDITIONAL INFORMATION

Product Categories/Family for FGF17 active protein	Active proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503693
NCBI GeneID	8822
NCBI Accession #	NP_003858.1
NCBI GenBank Nucleotide #	NP_003858.1
UniProt Accession #	O60258
NCBI Official Full Name	fibroblast growth factor 17 isoform 1
NCBI Official Synonym Full Names	fibroblast growth factor 17
NCBI Official Symbol	FGF17
NCBI Official Synonym Symbols	HH20; FGF-13; FGF-17
NCBI Protein Information	fibroblast growth factor 17
UniProt Protein Name	Fibroblast growth factor 17
UniProt Gene Name	FGF17
UniProt Synonym Gene Names	FGF-17
UniProt Entry Name	FGF17_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/fibroblast-growth-factor-17-fgf17/161896>