

# Recombinant human FGFBP1 protein

Catalog Number: ATGP2926

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

24-234aa

### UniProt No.

Q14512

### NCBI Accession No.

NP\_005121

### Alternative Names

Fibroblast growth factor-binding protein 1, FGFBP, FGF-BP, FGF-BP1, FGFBP-1, FGF-binding protein 1, 17 kDa heparin-binding growth factor-binding protein, 17 kDa HBGF-binding protein, HBp17

## PRODUCT SPECIFICATION

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### Molecular Weight

26.2 kDa (234aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

FGFBP1 is a secreted fibroblast growth factor carrier protein. This protein plays a critical role in cell proliferation, differentiation and migration by binding to fibroblast growth factors and potentiating their biological effects on target cells. It may also play a role in tumor growth as an angiogenic switch molecule, and expression of this gene has been associated with several types of cancer including pancreatic and colorectal adenocarcinoma. Recombinant human FGFBP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by

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using conventional chromatography techniques.

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>KKKVKNL LHSKVVSEKQ DTLGNTQIKQ KSRPGNKGKF VTKDQANCRW  
AATEQEEGIS LKVECTQLDH EFSCVFAGNP TSCLKLDKDER VYWKQVARNL RSQKDCRYK KTAVKTRVCR KDFPESSLKL  
VSSTLFGNTK PRKEKTEMSP REHIKGGKETT PSSLAVTQTM ATKAPECVED PDMANQRKTA LEFCGETWSS LCTFFLSIVQ  
DTSC

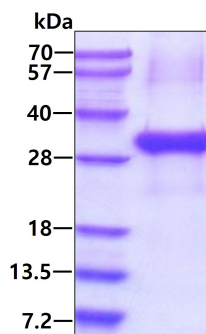
## General References

Wu D.Q., et al. (1991) J. Biol. Chem. 266:16778-16785.

Czubayko F., et al. (1997) Nat. Med. 3:1137-1140.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.