

Recombinant human FGFBP1 protein

Catalog Number: ATGP2926

PRODUCT INFORMATION

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

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

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 LHSKVVSEK DTLGNTQIKQ KSRPGNKGKF VTKDQANCRW
AATEQEEGIS LKVECTQLDH EFSCVFAGNP TSCLKLKDER VYWKQVARNL RSQKDICRYS KTAVKTRVCR KDFPESSLKL
VSSTLFGNTK PRKEKTEMSP REHIK GKETT PSSLA VTQTM ATKAPECVED PDMANQRKTA LEFCGETWSS LCTFFLSIVQ
DTSC

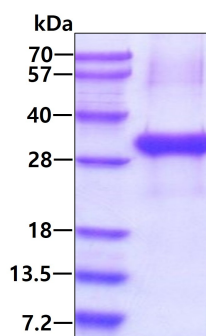
General References

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.