

Recombinant human FIBP protein

Catalog Number: ATGP2145

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-364aa

UniProt No.

O43427

NCBI Accession No.

NP_942600

Alternative Names

Acidic fibroblast growth factor intracellular-binding protein, FGFBP, FIBP-1, FIBP1, aFGF intracellular-binding protein

PRODUCT SPECIFICATION

Molecular Weight

44.3 kDa (387aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 95% 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

Acidic fibroblast growth factor intracellular-binding protein isoform a, also known as FIBP, is a member of Fibroblast growth factors (FGFs) represent a family. FGF activity influences development, adult tissue homeostasis, angiogenesis and cancer progression. FIBP is a 364 amino acid protein that binds to internalized FGF-1 and is thought to be involved in mitogenic function of FGF-1. FIBP localizes to the nucleus and is highly expressed in heart, skeletal muscle and pancreas and at lower levels in brain, placenta, liver and kidney.

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Recombinant human FIBP protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

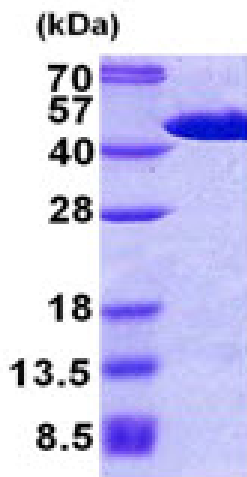
MGSSHHHHHH SGLVPRGSH MGSMTSELDI FVGNTTLIDE DVYRLWLDGY SVTDAVALRV RSGILEQTGA TAAVLQSDTM
DHYRTFHMLE RLLHAPPKLL HQLIFQIPPS RQALLIERY AFDEAFVREV LGKKLSKGTK KLDLDDISTKT GITLKSCRRQ
FDNFKRVFKV VEEMRGLVD NIQQHFLLSD RLARDYAAIV FFANRFETG KKKLQYLSFG DFAFCAELMI QNWTLGAVGE
APTDPDSQMD DMDMDLDKEF LQDLKELKVL VADKDLLDLH KSLVCTALRG KLGVFSEMEA NFKNLSRGLV NVAAKLTHNK
DVRDLFVDLV EKFEVPCRS D HWPLSDVRFF LNQYSASVHS LDGFRHQALW DRYMGTLRGC LLRLYHD

General References

Kolpakova E., et al. (1998) *Biochim J.* 336:213-222
Volkin D B., et al. (1996) *Biotechnol.* 9:181-217.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)