

FIBP, 1-364aa, Human, His tag, E.coli

Cat.NO.: TP02129

3th Edition

Synonyms: Acidic fibroblast growth factor intracellular-binding protein, FGFIBP, FIBP-1, FIBP1, aFGF intracellular-binding protein

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

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

Molecular Weight: 44.3kDa (387aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSM TSELDIFVGNTT LIEDVYRLWLDGYSVTDAVALRVRSGILEQTGATAAVL
QSDTMDHYRTFHMLERLLHAPPKLLHQLIFQIPPSRQALLIERYAFDEAFVREVLGKKLSKGTKKDLDDISTKTGITL
KSCRRQFDNFKR VFKVVEEMRGSLVDNIQQHFLLSDRLARDYAAIVFFANNRFETGKKKLQYLSFGDFAFCAELMI
QNWTLGAVGEAPTDPDSQMDDMDMDLDKEFLQDLKELKVLVADKDLLDLHKSLVCTALRGKLGVFSEMEANFKNL
SRGLVNVA AKLTHNKDVRDLFVDLVEK FVEPCRS DHWPLSDVRFFLNQYSASVHSLD GFRHQALWDRYMGTLRG
CLLRLYHD

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.