
Product Data Sheet

Product Name: FIBP Human
 Cat. No.: GP20258
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	FGFIBP; FIBP-1; Acidic fibroblast growth factor intracellular-binding protein; aFGF intracellular-binding protein; FGF-1 intracellular-binding protein; FIBP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMTSELDI FVGNTTLIDE DVYRLWLDGY SVTDAVALRV RSGILEQTGA TAAVLQSDTM DHYRTFHMLE RLLHAPPKLL HQLIFQIPPS RQALLIERY Y AFDEAFVREV LGKKLSKGTK KDLDDISTKT GITLSCRRQ FDNFKRVFKV VEEMRGLVD NIQQHLLSD RLARDYAAIV FFANNRFETG KKKLQYLSFG DFAFCAELMI QNWTLGAVGE APTDPDSQMD DMDMDLDKEF LQDLKELKVL VADKDLLDLH KSLVCTALRG KLGVFSEMEA NFKNLSRGLV NVAAKLTHNK DVRDLFVDLV EKFEVPCRS D HWPLSDVRRF LNQYSASVHS LDGFRHQALW DRYMGTLRGC LLRLYHD.		
Formulation	FIBP protein (0.5mg/ml) is supplied in 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

Introduction

FGF-1 Intracellular-Binding Protein (FIBP) which is a member of Fibroblast growth factors (FGFs) binds to internalized FGF-1 and is thought to be involved in mitogenic function of FGF-1. FGF activity effects development, adult tissue homeostasis, angiogenesis and cancer progression. FIBP localizes to the nucleus and is greatly expressed in heart, skeletal muscle and pancreas and at lower levels in brain, placenta, liver and kidney.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

FIBP Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 387 amino acids (1-364) and having a molecular mass of 44.3kDa. The FIBP is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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