

## FIBP Protein, Human

<b>Cat. No.:</b>	HY-P72641
<b>Synonyms:</b>	Acidic fibroblast growth factor intracellular-binding protein; FGF-1 intracellular-binding protein; FIBP
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	O43427-2/NP_004205.2 (M1-D357)
<b>Gene ID:</b>	9158
<b>Molecular Weight:</b>	40-50 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> MTSELDIFVGNNTTLIDEDVYRLWLDGYSVTDAVALRVRSGL ILEQTGATAAVLQSDTMDHYRTFHMLERLLHAPPKLLHQL IFQIPPSRQALLIERYYAFDEAFVREVLGKKLSKGTKKKDL DDISTKTGITLKSCRRQFDNFKRVKVVEEMRGS LVDNIQ QHFLLSDRLARDYAAIVFFANNRFETGKKKLQYLSFGDFA FCAELMIQNWTLGAVDSQMDMDMDLDKEFLQDLKELKVL VADKDLLDLHKSLVCTALRGKLGVFSEMEANFKNLSRGLV NVA AKLTHNKDVRDLFVDLVEKFVEPCRSDDHWPLSDVRF LNQYSASVHSLDGFRRHQALWDRYMGTLRGC LLRLYHD </pre>
<b>Appearance</b>	Solution.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 50 mM TrisHCl, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	N/A
<b>Storage &amp; Stability</b>	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Shipping with dry ice.

### DESCRIPTION

<b>Background</b>	The FIBP Protein plays a pivotal role as an intracellular binding partner for acidic fibroblast growth factor (aFGF), a mitogen with broad-ranging effects on various cell types, stimulating mitogenesis and inducing morphological changes and differentiation. FIBP's selective binding to aFGF suggests its potential involvement in mediating the mitogenic actions of aFGF within cells. This gene exhibits two transcript variants encoding different isoforms, highlighting the potential diversity
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in its functional roles. FIBP demonstrates ubiquitous expression, with prominent levels detected in the testis (RPKM 27.1), brain (RPKM 21.5), and 25 other tissues. Its widespread presence underscores its likely participation in diverse cellular processes across multiple organs.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA