BioVision
BioVision Incorporated

FGF-basic 147, Bovine Recombinant

CATALOG NO:	P1591-10 10 µg
ALTERNATE NAMES:	HBGH-2, HBGF-2, Prostatropin, FGF-2, FGB-b.
MOL. WT.	16.5 kDa (147 aa)
SOURCE:	*E. coli*
PURITY:	>97%
FORM:	Lyophilized
FORMULATION:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
RECONSTITUTION:	It is recommended to reconstitute the Fibroblast Growth Factor-basic (147 a.a.) in sterile PBS not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
STORAGE CONDITIONS:	Store at -20°C. Once reconstituted store at 4°C for short-term (2-7 days) and for future use below -20°C. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid freeze-thaw cycles.
DESCRIPTION:	FGF-basic is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from AUG and non-AUG (CUG) initiation codons resulting in 5 different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF. The heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. there are differences in the tissue distribution and concentration of these 2 growth factors.
AMINO ACID SEQUENCE:	MPALPEDGGS GAFPPGHFKD PKRLYCKNGG FFLRIHPDGR VDGVREKSDP HIKLQLQAEE RGVVSIKGVC ANRYLAMKED GRLLASKCVT DECFFFERLE SNNYNTYRSR KYSSWYVALK RTGQYKLGPK TGPGQKAILF LPMSAKS.

RELATED PRODUCTS:

- FGF-acidic, Bovine Brain (P1589)
- FGF-basic 147, human recombinant (4036)
- FGF-2/FGF-basic, Bovine Pituitary (P1590)
- Betacellulin Bovine Recombinant (P1588)

FOR RESEARCH USE ONLY! Not to be used on humans.

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