

FGF basic/bFGF Protein, Human (P. pastoris, N-His)

Cat. No.:	HY-P700479
Synonyms:	Fibroblast Growth Factor 2; FGF-2; Basic Fibroblast Growth Factor; bFGF; Heparin-Binding Growth Factor 2; HBGF-2; Fgf2; Fgf-2
Species:	Human
Source:	P. pastoris
Accession:	P09038-4 (P143-S288)
Gene ID:	2247
Molecular Weight:	17.9 kDa

PROPERTIES

AA Sequence	<p> P A L P E D G G S G A F P P G H F K D P K R L Y C K N G G F F L R I H P D G R V D G V R E K S D P H I K L Q L Q A E E R G V V S I K G V C A N R Y L A M K E D G R L L A S K C V T D E C F F F E R L E S N N Y N T Y R S R K Y T S W Y V A L K R T G Q Y K L G S K T G P G Q K A I L F L P M S A K S </p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0 or PBS, 6% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Initiation of FGF basic, also known as bFGF (fibroblast growth factor basic), occurs at an alternative CUG codon. This alternative start codon represents a distinctive feature in the translational initiation of the protein, contributing to the unique regulatory mechanisms governing the expression and functional properties of FGF basic.
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Caution: Product has not been fully validated for medical applications. For research use only.

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