

## FGF2 Protein, Chicken (His)

Cat. No.:	HY-P700630
Synonyms:	Fibroblast Growth Factor 2; FGF-2; Basic Fibroblast Growth Factor; bFGF; Heparin-Binding Growth Factor 2; HBGF-2; Fgf2; Fgf-2
Species:	Others
Source:	E. coli
Accession:	P48800 (P13-S158)
Gene ID:	396413
Molecular Weight:	23.2 kDa

### PROPERTIES

AA Sequence	<p>           P A L P D D G G G 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 N 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 S A    N R F L A M K E D G            R L L A L K C A T E    E C F F F E R L E S    N N Y N T Y R S R K    Y S D W Y V A L K R            T G Q Y K P G P 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.
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 <sub>2</sub> 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	The FGF2 protein serves as a ligand for FGFR1, FGFR2, FGFR3, and FGFR4, as well as an integrin ligand necessary for FGF2 signaling. It plays a crucial role in regulating cell survival, division, differentiation, and migration. Additionally, FGF2 functions as a potent mitogen in vitro and has the ability to induce angiogenesis.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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