

## FGF-2 Protein, Chicken, Recombinant (His & Myc)

### General Information

Synonyms:	Heparin-binding growth factor 2 (HBGF-2);Basic fibroblast growth factor (bFGF);FGF2; Fibroblast growth factor 2;FGF-2
Protein Construction:	13-158 aa
Species:	Chicken
Expression Host:	E. coli
Accession:	P48800
Molecular Weight:	23.8 kDa (predicted)
AA Sequence:	PALPDDGGGGAFPPGHFKDPKRLYCKNGGFFLRINPDGRVDGVREKSDPHIKLQLQAEERGVVSIKGVSANR FLAMKEDGRLLALKCATEECFFFERLESNNYNTYRSRKYSWYVALKRTGQYKPGPKTGPGQKAILFLPMSAK S

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Acts as a ligand for FGFR1, FGFR2, FGFR3 and FGFR4. Also acts as an integrin ligand which is required for FGF2 signaling. Plays an important role in the regulation of cell survival, cell division, cell differentiation and cell

migration. Functions as a potent mitogen in vitro. Can induce angiogenesis.

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