

## Animal-Free KGF-2/FGF-10 Protein, Human (His)

Cat. No.:	HY-P7342AF
Synonyms:	FGF-10; Fibroblast Growth Factor-10; Keratinocyte growth factor-2
Species:	Human
Source:	E. coli
Accession:	O15520 (L40-S208)
Gene ID:	2255
Molecular Weight:	Approximately 20.06 kDa

### PROPERTIES

AA Sequence	<p>           M L G Q D M V S P E    A T N S S S S S F S    S P S S A G R H V R    S Y N H L Q G D V R            W R K L F S F T K Y    F L K I E K N G K V    S G T K K E N C P Y    S I L E I T S V E I            G V V A V K A I N S    N Y Y L A M N K K G    K L Y G S K E F N N    D C K L K E R I E E            N G Y N T Y A S F N    W Q H N G R Q M Y V    A L N G K G A P R R    G Q K T R R K N T S            A H F L P M V V H S         </p>
Biological Activity	Measure by its ability to induce 3T3 cells proliferation. The ED <sub>50</sub> for this effect is <8 ng/mL. The specific activity of recombinant human FGF-10 is >1.2 x 10 <sup>5</sup> IU/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the 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	<p>KGF-2/FGF-10 Protein assumes a crucial role in orchestrating embryonic development, exerting regulatory control over essential processes such as cell proliferation and differentiation. Its significance extends to the intricate domain of normal branching morphogenesis, where KGF-2/FGF-10 is indispensable. This versatile protein may also contribute to wound healing processes. Through crucial interactions, it engages with FGFR1 and FGFR2, forming molecular complexes that underlie its multifaceted functions. Furthermore, KGF-2/FGF-10 interacts with FGFBP1, emphasizing its intricate network of</p>
------------	--

---

associations in orchestrating cellular responses and developmental events.

---

**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