

## KGF/FGF-7 Protein, Human (CHO)

Cat. No.:	HY-P7047A
Synonyms:	rHuKGF-1/FGF-7; Keratinocyte Growth Factor; Fibroblast Growth Factor-7; HBGF-7
Species:	Human
Source:	CHO
Accession:	P21781 (C32-T194)
Gene ID:	2252
Molecular Weight:	16-18 kDa

### PROPERTIES

AA Sequence	<p>C N D M T P E Q M A      T N V N C S S P E R      H T R S Y D Y M E G      G D I R V R R L F C</p> <p>R T Q W Y L R I D K      R G K V K G T Q E M      K N N Y N I M E I R      T V A V G I V A I K</p> <p>G V E S E F Y L A M      N K E G K L Y A K K      E C N E D C N F K E      L I L E N H Y N T Y</p> <p>A S A K W T H N G G      E M F V A L N Q K G      I P V R G K K T K K      E Q K T A H F L P M</p> <p>A I T</p>
Biological Activity	The ED <sub>50</sub> is <1 ng/mL as measured by 4MBr5 cells.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS.
Endotoxin Level	<0.2 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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	Keratinocyte growth factor 1 or FGF-7 is a polypeptide mitogen that belongs to the family of fibroblast growth factors, binds only to a splice variant of FGFR2 (FGFR2 IIIb) and is a highly specific paracrine growth factor for epithelial cells. FGF-7 and its receptor are believed to be important for normal wound healing <sup>[1]</sup> .
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## REFERENCES

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[1]. Trowbridge JM, et al. Dermatan sulfate binds and potentiates activity of keratinocyte growth factor (FGF-7). J Biol Chem. 2002 Nov 8;277(45):42815-20.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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