

KGF-2/FGF-10 Protein, Human (N-His)

Cat. No.:	HY-P700279
Synonyms:	rHuFGF-10, His; Fibroblast Growth Factor-10; Keratinocyte growth factor-2
Species:	Human
Source:	E. coli
Accession:	O15520 (L40-S208)
Gene ID:	2255
Molecular Weight:	21-23 kDa

PROPERTIES

AA Sequence	<p> 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	Measured in a cell proliferation assay using 4MBr-5 rhesus monkey epithelial cells. The ED ₅₀ for this effect is 9.599-57.42 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 or 50 mM Tris-HCL, 300 mM NaCl, 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. 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	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
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underlie its multifaceted functions. Furthermore, KGF-2/FGF-10 interacts with FGFBP1, emphasizing its intricate network of associations in orchestrating cellular responses and developmental events.

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

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