KGF/FGF-7 Protein, Mouse

Cat. No.:	HY-P7230
Synonyms:	rMuKGF/FGF-7; Fibroblast Growth Factor-7; HBGF-7
Species:	Mouse
Source:	E. coli
Accession:	P36363(C32-T194)
Gene ID:	14178
Molecular Weight:	Approximately 18.7 kDa

PROPERTIES

AA Sequence	C N D M S P E Q T A T S 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 R T Q W Y L R I D K R G K V K G T Q E M K N S Y N I M E I R T V A V G I V A I K G V E S E Y 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 A S A K W T H S G G E M F V A L N Q K G I P V K G K K T K K E Q K T A H F L P M A I T
Biological Activity	The ED_{50} is <2 ng/mL as measured by 4MBr-5 cells, corresponding to a specific activity of >5.0 × 10^5 units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS.
Endotoxin Level	<0.2 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in PBS. 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	Recombinant Mouse KGF/FGF-7 is a polypeptide mitogen that belongs to the family of fibroblast growth factors. It binds only to a splice variant of FGFR2 (FGFR2 IIIb) and is a highly specific paracrine growth factor for epithelial cells. Recombinant Human Keratinocyte Growth Factor 1/FGF-7 and its receptor are important for normal wound healing.

REFERENCES

[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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