

# Human FGF-7 (KGF) Recombinant Protein, PeptoTech®

## Product Details

Size	50 µg
Species	Human
Published Species	Rat, Human, Mouse
Expression system	E. coli
Amino acid sequence	CNDMTPEQMA TNVNCSSPER HTRSVDYMEG GDIRVRRLLFC RTQWYLRLDK RGKVKGTQEM KNNYNIMEIR TVAVGIVAIAK GVESEFYLAM NKEGKLYAKK ECNEDCNFKE LILENHYNNTY ASAKWTHNGG EMFVALNQKG IPVRGKKTCK EQKTAHFLPM AIT
Molecular weight	18.9 kDa
Class	Recombinant
Type	Protein
Purity	95% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	Determined by a cell proliferation assay using 4MBr-5 cells. The expected ED50 for this effect is 0.1-15 ng/ml.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

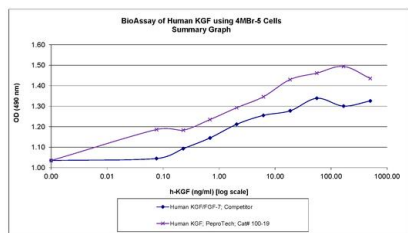
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	-	1 Publication
ELISA (ELISA)	Assay-dependent	2 Publications
Functional Assay (Functional)	Assay-dependent	-
In vitro Assay (IV)	-	105 Publications
Miscellaneous PubMed (Misc)	-	11 Publications

## Product Specific Information

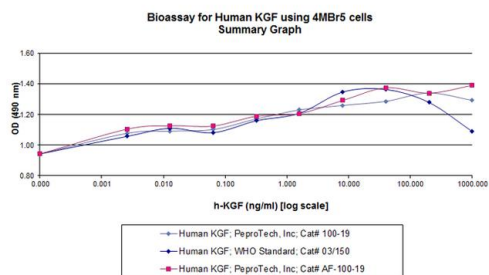
Recombinant Human KGF (FGF-7) is an 18.9 kDa protein consisting of 163 amino acid residues.

This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

## Product Images For Human FGF-7 (KGF) Recombinant Protein, PeproTech®



**Human FGF-7 (KGF) Protein (100-19-50UG) in Functional Bioassay analysis of Human FGF-7 (KGF) Recombinant Protein, PeproTech® (Product # 100-19-1MG).**



**Human FGF-7 (KGF) Protein (100-19-50UG) in Functional WHO Comparison of Human FGF-7 (KGF) Recombinant Protein, PeproTech® (Product # 100-19-1MG).**

## Immunohistochemistry (1)

Frontiers in cellular and infection microbiology

### Human Organotypic Airway and Lung Organoid Cells of Bronchiolar and Alveolar Differentiation Are Permissive to Infection by Influenza and SARS-CoV-2 Respiratory Virus.

"100-19 was used in Immunohistochemistry to investigate virulent affects of SARS-CoV-2 mutations on organoid models."

Authors: Ekanger CT,Zhou F,Bohan D,Lotsberg ML,Ramnefjell M,Hoareau L,Røslund GV,Lu N,Aanerud M,Gärtner F,Salminen PR,Bentsen M,Halvorsen T,Ræder H,Akslen LA,Langeland N,Cox R,Maury W,Stuhr LEB,Lorens JB,Engelsen AST

Year  
2022

Species  
Human

## ELISA (2)

Nature communications

### Laminin heparin-binding peptides bind to several growth factors and enhance diabetic wound healing.

Authors: Ishihara J,Ishihara A,Fukunaga K,Sasaki K,White MJV,Briquez PS,Hubbell JA

Year  
2018

PloS one

### A novel solid-phase site-specific PEGylation enhances the in vitro and in vivo biostability of recombinant human keratinocyte growth factor 1.

Authors: Huang Z,Zhu G,Sun C,Zhang J,Zhang Y,Zhang Y,Ye C,Wang X,Ilgari D,Li X

Year  
2012

Species  
Rat

## In vitro Assay (105)

Cellular oncology (Dordrecht, Netherlands)

### Host-derived growth factors drive ERK phosphorylation and MCL1 expression to promote osteosarcoma cell survival during metastatic lung colonization.

"100-19 was used in In vitro experiments to develop therapeutic strategies that prevent and treat metastasis by identifying mechanisms that facilitate survival of disseminated tumour cells."

Authors: McAloney CA,Makkawi R,Budhathoki Y,Cannon MV,Franz EM,Gross AC,Cam M,Vetter TA,Duhen R,Davies AE,Roberts RD

Year  
2024

Species  
Human

[View more IV references on thermofisher.cn](#)

## More applications with references on thermofisher.cn

## Misc (11)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.