

Human FGF-10 Recombinant Protein, PeproTech®

Product Details	
Size	5 µg
Species	Human
Published Species	Dog, Pig, Reptile, Rat, Bovine, Cat, Human, Mouse, Chicken
Expression system	E. coli
Amino acid sequence	MLGQDMVSPE ATNSSSSSFS SPSSAGRHRV SYNHLQGDVR WRKLFSFTKY FLKIEKNGKV SGTKKENCYPY SILEITSVEI GVVAVKAINS NYLAMNKKG KLYGSKEFNN DCKLKERIEE NGYNTYASFN WQHNGRQMYV ALNGKGAPRR GQKTRRKNTS AHFLPMVVHS
Molecular weight	19.3 kDa
Class	Recombinant
Type	Protein
Purity	95% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	Assay 1: The ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is 0.5 ng/ml, corresponding to a specific activity of 2 x 10 ⁶ units /mg. Assay 2: Determined by a cell proliferation assay using 4MBr-5 cells. The expected ED50 for this effect is 0.5-15.0 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)	-	152 Publications
Miscellaneous PubMed (Misc)	-	38 Publications

Product Specific Information

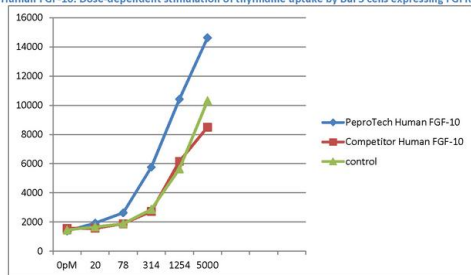
100-00CC-500UG will be provided as 2 x 250 µg (100-00CC-250UG).

Recombinant Human FGF-10 is a 19.3 kDa protein consisting of 170 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-10 Recombinant Protein, PeptoTech®

Human FGF-10: Dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGFR2b



Human FGF-10 Protein (100-26-5UG) in Functional Bioassay analysis of Human FGF-10 Recombinant Protein, PeptoTech® (Product # 100-26-1MG).

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.

"100-26 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,Røsland 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)

Cell metabolism

SARS-CoV-2 infection induces beta cell transdifferentiation.

Authors: Tang X,Uhl S,Zhang T,Xue D,Li B,Vandana JJ,Acklin JA,Bonnycastle LL,Narisu N,Erdos MR,Bram Y,Chandar V,Chong ACN,Lacko LA,Min Z,Lim JK,Borczuk AC,Xiang J,Naji A,Collins FS,Evans T,Liu C,tenOever BR,Schwartz RE, Chen S

Year
2021

Species
Human

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

In vitro Assay (152)

Life science alliance

Helicobacter pylori induces the expression of Lgr5 and stem cell properties in gastric target cells.

"100-26 was used in Tissue/organ culture to indicate that H. pylori has stemness-inducing properties that depend on its ability to activate NF-B signaling."

Authors: Nascakova Z,He J,Papa G,Franca B,Azizi F,Müller A

Year
2024

Species
Mouse

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

More applications with references on thermofisher.cn

Misc (38)

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.