

Human VEGF-165 Recombinant Protein, PeproTech®

Product Details	
Size	10 µg
Species	Human
Published Species	Rat, Pig, Non-human primate, Chordate, Hamster, Sheep, Bovine, Fish, Human, Mouse, Chicken, Horse, Dog, Rabbit
Expression system	E. coli
Amino acid sequence	APMAEGGGQN HHEVVKFMDV YQRSYCHPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCGGC CNDEGLECVP TEESNITMQI MRIKPHQGQH IGEMSFLQHN KCECRPKKDR ARQENPCGPC SERRKHLFVQ DPQTCKCSCK NTDSRCKARQ LELNERTCRC DKPRR
Molecular weight	38.2 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	Determined by its ability to stimulate the proliferation of human umbilical vein endothelial cells (HUVEC). The expected ED50 for this effect is 1.0-10.0ng/ml.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

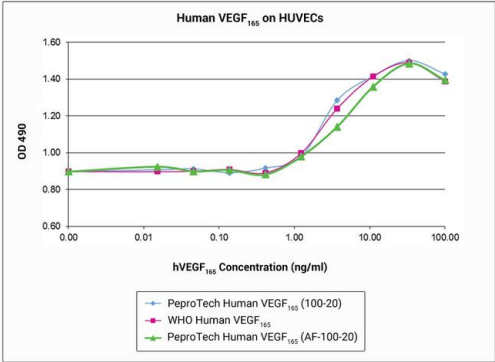
Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	-	1 Publication
Control (Ctrl)	Assay-dependent	-
In vitro Assay (In vitro)	-	310 Publications
Miscellaneous PubMed (Misc)	-	51 Publications
Western blot control (WB Ctrl)	Assay-dependent	2 Publications
ELISA standard (ELISA Std)	-	6 Publications
Binding assay (Binding)	-	1 Publication
Bioactivity (Bioactivity)	Assay-dependent	2 Publications
Cell culture (Cell Clt)	-	0 Publication
Cell differentiation (Cell Diff)	-	1 Publication
Cell stimulation (Cell Stm)	-	0 Publication
Cell induction (Cell Ind)	-	0 Publication

Product Specific Information

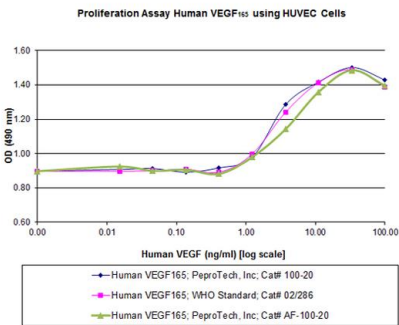
Recombinant Human VEGF 165 is a 38.2 kDa, disulfide-linked homodimeric protein consisting of two 165 amino acid polypeptide chains.

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 VEGF-165 Recombinant Protein, PeproTech®



Human VEGF-165 Protein (100-20-10UG) in Bioactivity
Bioassay analysis of Human VEGF-165 Recombinant Protein, PeproTech® (Product # 100-20-1MG).



Human VEGF-165 Protein (100-20-10UG) in Bioactivity
WHO Comparison of Human VEGF-165 Recombinant Protein, PeproTech® (Product # 100-20-1MG).

Flow Cytometry (1)

Scientific reports	Year 2015
A method to tune the shape of protein-encapsulated polymeric microspheres.	Species Human
Authors: de Alteriis R,Vecchione R,Attanasio C,De Gregorio M,Porzio M,Battista E,Netti PA	

In vitro Assay (310)

Frontiers in cellular neuroscience	Year 2025
Induced pluripotent stem cell model revealed impaired neurovascular interaction in genetic small vessel disease Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy.	Species Human
"100-20 was used in Cell Culture to establish induced pluripotent stem cell (iPSC) models from Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy patients and differentiated the iPSCs into the major neurovascular unit cell types including brain microvascular endothelial-like cells (BMECs), vascular mural cells (MCs), astrocytes and cortical projection neurons."	
Authors: Zhang W,Zhao X,Qi X,Kimber SJ,Hooper NM,Wang T	

The Journal of cell biology	Year 2023
Peroxisomal ROS control cytosolic Mycobacterium tuberculosis replication in human macrophages.	Species Human
"100-20 was used in In vitro experiments to find peroxisomes increased ROS levels during Mtb WT infection."	
Authors: Pellegrino E,Aylan B,Bussi C,Fearn A,Bernard EM,Athanasiadi N,Santucci P,Botella L,Gutierrez MG	

View more In vitro references on thermofisher.com

Miscellaneous PubMed (51)

mBio	Year 2022
Visualizing Pyrazinamide Action by Live Single-Cell Imaging of Phagosome Acidification and Mycobacterium tuberculosis pH Homeostasis.	Species Human
"100-20 was used in Cell Culture to describe a dual live imaging approach to monitor mycobacterial pH homeostasis, host cell environment, and antibiotic action, and show that intracellular localization of M. tuberculosis affects the efficacy of pyrazinamide."	
Authors: Santucci P,Aylan B,Botella L,Bernard EM,Bussi C,Pellegrino E,Athanasiadi N,Gutierrez MG	

View more Misc references on thermofisher.com

More applications with references on thermofisher.com

- WB Ctrl (2)
- ELISA Std (6)
- Binding (1)
- Bioactivity (2)
- Cell Diff (1)

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