

Human TGF-beta 1 Recombinant Protein, PeproTech®

Product Details

Size	10 µg
Species	Human
Published Species	Mink, Rabbit, Rat, Non-human primate, Virus, Bovine, Sheep, Human, Mouse, Donkey
Expression system	CHO cells
Amino acid sequence	ALDTNYCFSS TEKNCCVRQL YIDFRKDLGW KWIHEPKGYH ANFCLGPCPY IWSLDTQYSK VLALYNQHNP GASAAPCCVP QALEPLPIVY YVGRKPKVEQ LSNMIVRSCK CS
Molecular weight	25 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	The ED50 was determined by TGF-beta1's ability to inhibit the mouse IL-4-dependent proliferation of mouse HT-2 cells is 0.05 ng/ml, corresponding to a specific activity of 2 x 10 ⁷ units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

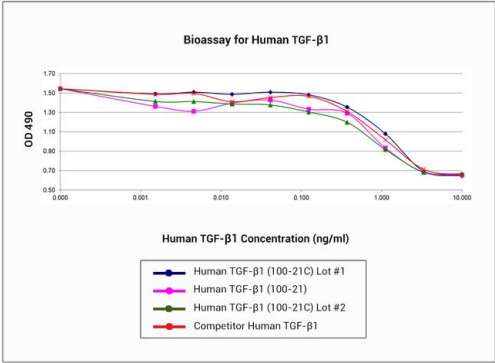
Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Functional Assay (Functional)	Assay-dependent	-
Inhibition Assays (IA)	-	1 Publication
In vitro Assay (IV)	-	335 Publications
Miscellaneous PubMed (Misc)	-	40 Publications
Immunostaining (IS)	-	1 Publication

Product Specific Information

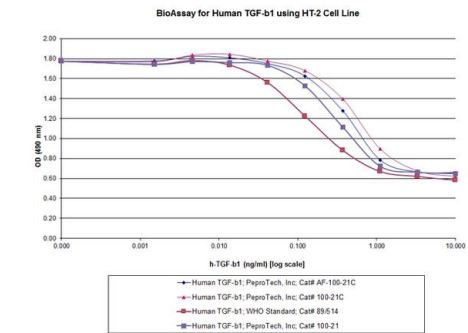
Recombinant Human TGF-beta1 is a 25.0 kDa homo-dimer, consisting of two identical 112 amino acid polypeptide chains, each weighing 12.5 kDa and linked by a single disulfide bond.

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 TGF-beta 1 Recombinant Protein, PeproTech®



Human TGF-beta 1 Protein (100-21C-10UG) in Functional
Bioassay analysis of Human TGF-beta 1 Recombinant Protein, PeproTech® (Product # 100-21C-1MG).



Human TGF-beta 1 Protein (100-21C-10UG) in Functional
WHO Comparison of Human TGF-beta 1 Recombinant Protein, PeproTech® (Product # 100-21C-1MG).

Western Blot (1)

Stem cells (Dayton, Ohio)	Year 2012
MicroRNA-181a regulates local immune balance by inhibiting proliferation and immunosuppressive properties of mesenchymal stem cells.	
Authors: Liu L,Wang Y,Fan H,Zhao X,Liu D,Hu Y,Kidd AR,Bao J,Hou Y	

Inhibition Assays (1)

Journal of immunology (Baltimore, Md. : 1950)	Year 2012
Surfactant protein A integrates activation signal strength to differentially modulate T cell proliferation.	
Authors: Mukherjee S,Giamberardino C,Thomas J,Evans K,Goto H,Ledford JG,Hsia B,Pastva AM,Wright JR	

In vitro Assay (335)

Frontiers in physiology	Year 2024
A periosteum-derived cell line to study the role of BMP/TGF signaling in periosteal cell behavior and function.	Species Mouse
"100-21C was used in In vitro experiments to describe the generation of a novel periosteum-derived clonal cell (PDC) line from postnatal day 14 mice and use it to examine periosteal cell behavior in vitro."	
Authors: Moore ER,Maridas DE,Gamer L,Chen G,Burton K,Rosen V	

Scientific reports	Year 2023
The Notch1 signaling pathway directly modulates the human RANKL-induced osteoclastogenesis.	Species Human
"100-21C was used in Cell Culture to report that Interleukin-7 receptor (IL7R) was a downstream effector of Notch1 pathway and that Notch1 and IL7R interplay promoted cell expansion of human RANKL-induced osteoclast progenitors."	
Authors: Padovano C,Bianco SD,Sansico F,De Santis E,Tamiro F,Colucci M,Totti B,Di lasio S,Bruno G,Panelli P,Miscio G,Mazza T,Giambra V	

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

More applications with references on thermofisher.cn

- Misc (40)
- IS (1)

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