Human PDGF-AA Recombinant Protein, PeproTech®

Product Details	
Size	10 µg
Species	Human
Published Species	Dog, Rat, Non-human primate, Camelid, Amphibian, Zebrafish, Human, Mouse, Lizard
Expression system	E. coli
Amino acid sequence	SIEEAVPAV CKTRTVIYEI PRSQVDPTSA NFLIWPPCVE VKRCTGCCNT SSVKCQPSRV HHRSVKVAKV EYVRKKPKLK EVQVRLEEHL ECACATTSLN PDYREEDTGR PRESGKKRKR KRLKPT
Molecular weight	28.5 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	Determined by the dose-dependent stimulation of the proliferation of Balb/c 3T3 cells. The expected ED50 for this effect is 1.0-3.0 ng/ml.
Conjugate	Unconjugated
Form	Lyophilized
Amount	10 µg
Purification	purified
Contains	no preservative
Storage conditions	-20°C

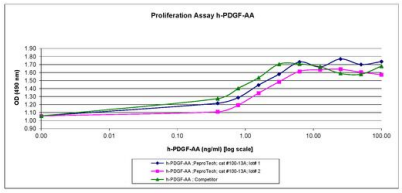
Applications	Tested Dilution	Publications
Control (Ctrl)	Assay-dependent	-
In vitro Assay (In vitro)	-	133 Publications
Miscellaneous PubMed (Misc)	-	23 Publications
Western blot control (WB Ctrl)	Assay-dependent	-
ELISA standard (ELISA Std)	Assay-dependent	1 Publication
Bioactivity (Bioactivity)	Assay-dependent	-

Product Specific Information

Recombinant Human PDGF-AA is a 28.5 kDa disulfide-linked homodimer of two A chains (250 total amino acids).

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 PDGF-AA Recombinant Protein, PeproTech®



Human PDGF-AA Protein (100-13A-10UG) in Bioactivity
Bioassay analysis of Human PDGF-AA Recombinant Protein, PeproTech® (Product # 100-13A-1MG).

157 References

In vitro Assay (133)

Frontiers in cellular neuroscience

SARM1 detection in myelinating glia: *sarm1*/*Sarm1* is dispensable for PNS and CNS myelination in zebrafish and mice.

"100-13A was used in Cell Culture to show that SARM1 is not required for initiation of myelination and myelin sheath maintenance is unaffected in the adult mouse nervous system."

Authors: Fazal SV,Mutschler C,Chen CZ,Turmaine M,Chen CY,Hsueh YP,Ibañez-Grau A,Loreto A,Casillas-Bajo A, Cabedo H,Franklin RJM,Barker RA,Monk KR,Steventon BJ,Coleman MP,Gomez-Sanchez JA,Arthur-Farraj P

Year 2025

Species Rat

Cancer cell

Integrative analysis of neuroblastoma by single-cell RNA sequencing identifies the NECTIN2-TIGIT axis as a target for immunotherapy.

"100-13A was used in In vitro experiments to dissect the immunoregulatory interactions in neuroblastoma by single-cell RNA-sequencing of 24 tumors (10 pre- and 14 post-chemotherapy, including 5 pairs) to identify strategies for optimizing immunotherapy efficacy."

Authors: Wienke J,Visser LL,Kholosy WM,Keller KM,Barisa M,Poon E,Munnings-Tomes S,Himsworth C,Calton E, Rodriguez A,Bernardi R,van den Ham F,van Hooff SR,Matser YAH,Tas ML,Langenberg KPS,Lijnzaad P,Borst AL, Zappa E,Bergsma FJ,Strijker JGM,Verhoeven BM,Mei S,Kramdi A,Restuadi R,Sanchez-Bernabeu A,Cornel AM, Holstege FCP,Gray JC,Tytgat GAM,Scheijde-Vermeulen MA,Wijnen MHWA,Dierselhuis MP,Straathof K,Behjati S,Wu W,Heck AJR,Koster J,Nierkens S,Janoueix-Lerosey I,de Krijger RR,Baryawno N,Chesler L,Anderson J,Caron HN, Margaritis T,van Noesel MM,Molenaar JJ

Year 2024

Species Human

View more In vitro references on thermofisher.com

Miscellaneous PubMed (23)

Nature cancer

Context-dependent tumor-suppressive BMP signaling in diffuse intrinsic pontine glioma regulates stemness through epigenetic regulation of CXXC5.

"100-13A was used in Cell Culture to show how BMP signaling impacts diffuse intrinsic pontine glioma (DIPG) and identifies the potent antitumor efficacy of Dacinostat for DIPG."

Authors: Sun Y,Yan K,Wang Y,Xu C,Wang D,Zhou W,Guo S,Han Y,Tang L,Shao Y,Shan S,Zhang QC,Tang Y,Zhang L, Xi Q

Year 2022

Species Human

Cells

The Extracellular Matrix Proteins Tenascin-C and Tenascin-R Retard Oligodendrocyte Precursor Maturation and Myelin Regeneration in a Cuprizone-Induced Long-Term Demyelination Animal Model.

"100-13A was used in Cell Culture to study how tenascins interfere with remyelination in vivo."

Authors: Bauch J,Faissner A

Year 2022

Species Mouse

View more Misc references on thermofisher.com

More applications with references on thermofisher.com

ELISA Std (1)