

# Human PDGF-AA, Animal-Free Recombinant Protein, PeproTech®

## Product Details

Size	1 mg
Species	Human
Published Species	Rat, Non-human primate, Amphibian, Human, Mouse
Expression system	E. coli
Amino acid sequence	SIEEAVPAVC KTRTVIYEIP RSQVDPTSAN FLIWPPCVEV KRCTGCCNTS SVKCQPSRVH HRSVKVAKVE YVRKKPKLKE VQVRLEEHL E CACATTS LNP DYREEDTGRP RESGKKRKRK RLKPT
Molecular weight	28.5 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<0.1 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
Purification	HPLC, SDS-PAGE
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Functional Assay (FN)	Assay-dependent	-
In vitro Assay (IV)	-	11 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

## 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

## 12 References

### In vitro Assay (11)

#### Developmental cell

#### iPSC-derived myelinoids to study myelin biology of humans.

Authors: James OG,Selvaraj BT,Magnani D,Burr K,Connick P,Barton SK,Vasistha NA,Hampton DW,Story D,Smigiel R,Ploski R,Brophy PJ,Ffrench-Constant C,Lyons DA,Chandran S

Year  
2021

Species  
Human

#### Glia

#### Endogenous GABA controls oligodendrocyte lineage cell number, myelination, and CNS internode length.

Authors: Hamilton NB,Clarke LE,Arancibia-Carcamo IL,Kougioumtzidou E,Matthey M,Káradóttir R,Whiteley L,Bergersen LH,Richardson WD,Attwell D

Year  
2017

Species  
Mouse

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

### Miscellaneous PubMed (1)

#### Bio-protocol

#### Live-cell Migration Assays to Study Motility of Neural and Glial (Oligodendrocyte) Progenitor Cells.

"AF-100-13A was used in Cell Culture to study the cell type-specific mechanisms underlying migration of lineage- or disease-specific cells, such as neural and glial progenitor cells using a live-cell migration assay for use in the assessment of neural and glial progenitor cell migration."

Authors: Chen CY,Chou FS,Wang PS

Year  
2019

Species  
Mouse

### More applications with references on thermofisher.com

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