

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 CACATTSNLP 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

In vitro Assay (11)

<p>Developmental cell</p> <p>iPSC-derived myelinoids to study myelin biology of humans.</p> <p>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</p>	<p>Year 2021</p> <p>Species Human</p>
<p>Glia</p> <p>Endogenous GABA controls oligodendrocyte lineage cell number, myelination, and CNS internode length.</p> <p>Authors: Hamilton NB,Clarke LE,Arancibia-Carcamo IL,Kougioumtzidou E,Matthey M,Káradóttir R,Whiteley L,Bergersen LH,Richardson WD,Attwell D</p>	<p>Year 2017</p> <p>Species Mouse</p>

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Miscellaneous PubMed (1)

<p>Bio-protocol</p> <p>Live-cell Migration Assays to Study Motility of Neural andGlial (Oligodendrocyte) Progenitor Cells.</p> <p>"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."</p> <p>Authors: Chen CY,Chou FS,Wang PS</p>	<p>Year 2019</p> <p>Species Mouse</p>
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