

Recombinant Human Platelet-derived Growth Factor-AA

#R00138

Size: 10 µg/100 µg/500 µg

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

AA Sequence

MSIEEAVPAVCKTRTVIYEIPRSQVDPTSANFLIWPPC
VEVKRCTGCCNTSSVKCQPSRVHHRSVKVAKVEYV
RKKPKLKEVQVRLEEHLACATTSLNPDYREEDTG
RPRESGKKRKRKRLKPT

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 28.8 kDa, a disulfide-linked homodimeric protein containing two 126 amino acid residues polypeptide. But it migrates with an apparent molecular mass of 33.6 kDa in SDS-PAGE.
Purity	> 95 % by SDS-PAGE.
Biological Activity	Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. The ED ₅₀ for this effect is 50--200 ng/mL in a fluorometric assay using the redox sensitive dye.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, 300 mM NaCl, pH 6.0.
Endotoxin	Less than 0.1 EU/µg of rHuPDGF-AA as determined by LAL method.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.