

Recombinant Human PDGF-AA Protein

Catalog No.: RP01772 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5154	P04085

Tags

No-tag

Synonyms

PDGF1; PDGF-A

Product Information

Source	Purification
<i>Pichia</i>	

Calculated MW	Observed MW
14.31 kDa	20 kDa kDa

Endotoxin

≤0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of 20 mM NaAc pH 4.5

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Platelet-derived growth factor alpha (PDGFA) is frequently upregulated in various cancers and thought to function as a key player in the development and progression of tumor growth by regulating aspects of cell proliferation, angiogenesis and metastasis. The human platelet-derived growth factor A chain gene (PDGFA) on chromosome 7p22 encodes an important mitogen. Within PDGFA lies a complex minisatellite structure that results in partial duplications of exon 4 and the IVS4 splice donor site.

Basic Information

Description

Recombinant Human PDGF-AA Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Ser87-Thr211) of human PDGF-AA (Accession #NP_002598.4) fused with no additional amino acid.

Bio-Activity

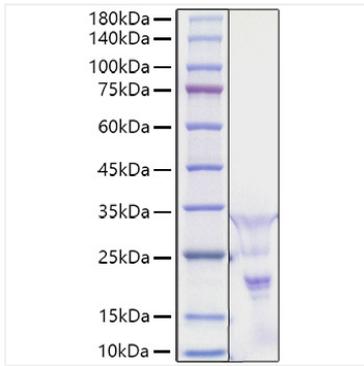
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human PDGF-AA Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20 kDa.