

Recombinant Human PDGF-AA Protein

Catalog No.: RP01772

Sequence Information

Species	Gene ID
Human	5154
Swiss Prot	Tags
P04085	No-tag

Synonyms

PDGF1; PDGF-A

Product Information

Source	Purification
<i>Pichia</i>	≥ 90% as determined by SDS-PAGE.

Calculated MW Observed MW

14.31 kDa 20 kDa kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

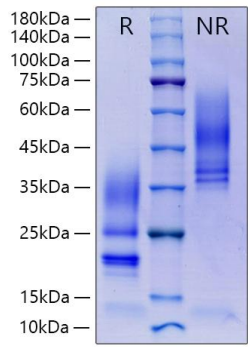
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Validation Data



Recombinant Human PDGF-AA Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.