

# Recombinant Mouse PDGF-AA Protein

Catalog No.: RP03145 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	18590	P20033

### Tags

N-His

### Synonyms

PDGF1; PDGF-A; PDGFA

## Product Information

Source	Purification
<i>Pichia</i>	> 95% by SDS-PAGE.

### Endotoxin

Please contact us for more information.

### Formulation

Lyophilized from a 0.22 µm filtered solution of 0.1% TFA, 30% CAN. Contact us for customized product form or formulation.

### 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 Mouse PDGF-AA Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Ser87-Arg196) of Mouse PDGF-AA (Accession #NP\_032834.1) fused with a 6×His tag at the N-terminus.

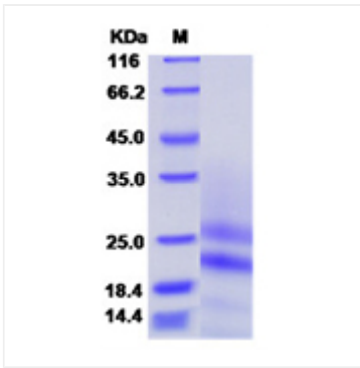
### Bio-Activity

#### Storage

Store the lyophilized protein at -20°C to -80 °C for 12 months. 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

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Recombinant Mouse PDGF-AA Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-26 kDa.