

# Recombinant Rat PDGFA Protein (Ser87-Arg196), His-tagged

**Cat. No.** PDGFA-940R    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Rat PDGFA Protein (AAB26134.2) (Ser87-Arg196) was produced by Yeast expression system. This protein was expressed with a polyhistidine tag at the N-terminus.
<b>Species</b>	Rat
<b>Source</b>	Yeast
<b>ProteinLength</b>	Ser87-Arg196
<b>Description</b>	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.
<b>Predicted N Terminal</b>	His
<b>Form</b>	Lyophilized from sterile 30 % CAN, 0.1 % TFA. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant rat Pdgfa consists of 125 amino acids and predicts a molecular mass of 14.5 kDa.

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<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Shipping</b>	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Pdgfa platelet-derived growth factor alpha polypeptide [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	<a href="#">PDGFA</a>
<b>Synonyms</b>	PDGFA; PDGF-1; PDGF subunit A; PDGFACP;
<b>Gene ID</b>	<a href="#">25266</a>
<b>mRNA Refseq</b>	<a href="#">NM_012801</a>
<b>Protein Refseq</b>	<a href="#">NP_036933</a>
<b>UniProt ID</b>	<a href="#">P28576</a>

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