

# Cynomolgus PDGF R alpha/PDGFR A Protein

Cat. No. PFR-CM40A



## Description

<b>Source</b>	Recombinant Cynomolgus PDGF R alpha/PDGFR A Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln24-Glu524.
<b>Accession</b>	Q0PW86
<b>Molecular Weight</b>	The protein has a predicted MW of 57.32 kDa. Due to glycosylation, the protein migrates to 70-85 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Platelet-derived growth factor is commonly known as a mitogen. Many research data suggest a role for PDGF-beta R in the mitogenic response of mesangial cells. There are four members of PDGF family known as PDGF-A chain, PDGF-B chain, PDGF-C chain and PDGF-D chain, which in active forms are dimers. As far as two receptors PDGF-alpha R and PDGF-beta R are known to bind PDGF.

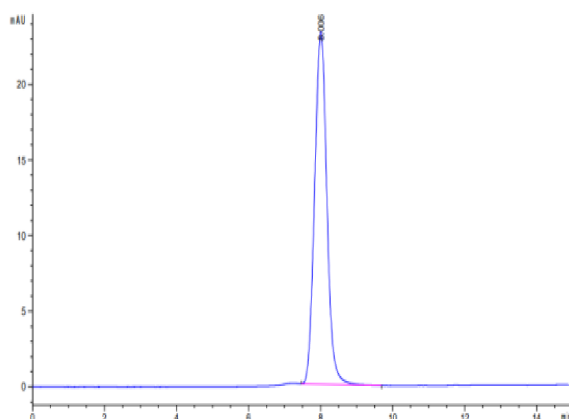
## Assay Data

### Bis-Tris PAGE



Cynomolgus PDGF R alpha on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



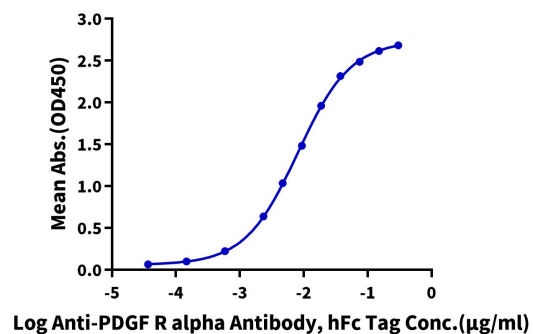
The purity of Cynomolgus PDGF R alpha is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Cynomolgus PDGF R alpha, His Tag ELISA**

0.1 $\mu$ g Cynomolgus PDGF R alpha, His Tag Per Well



Immobilized Cynomolgus PDGF R alpha, His Tag at 1 $\mu$ g/ml (100 $\mu$ l/well) on the plate. Dose response curve for Anti-PDGF R alpha Antibody, hFc Tag with the EC50 of 8.1ng/ml determined by ELISA.