

# Mouse PDGF R alpha/PDGFRA Protein

Cat. No. PFR-MM10A

## Description

<b>Source</b>	Recombinant Mouse PDGF R alpha/PDGFRA Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser29-Ala528.
<b>Accession</b>	P26618-1
<b>Molecular Weight</b>	The protein has a predicted MW of 57.08 kDa. Due to glycosylation, the protein migrates to 68-80 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 90% as determined by HPLC

## Formulation and Storage

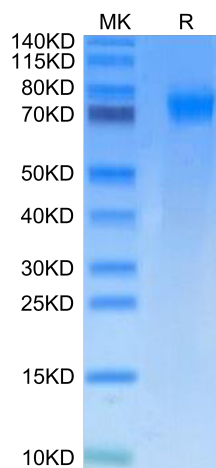
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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.

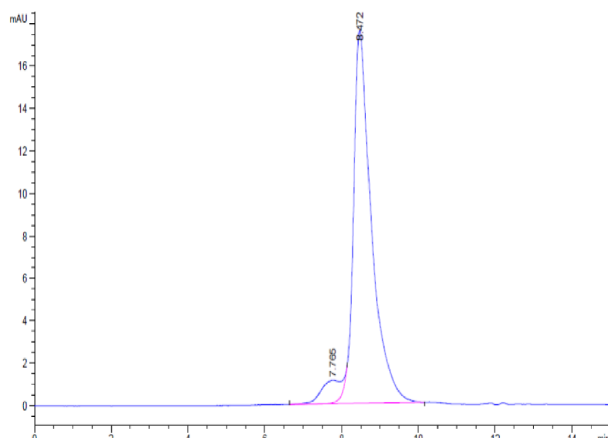
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



The purity of Mouse PDGF R alpha is greater than 90% as determined by SEC-HPLC.