

Cynomolgus PDGF R alpha/PDGFRα Protein



Cat. No. PFR-CM40A

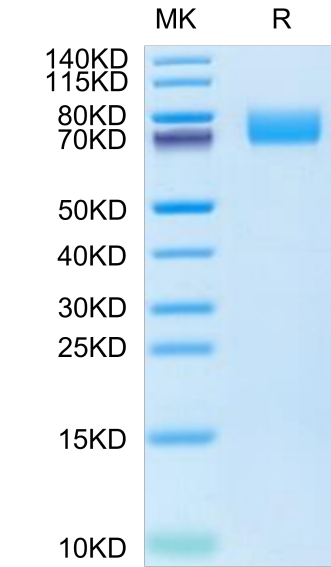
Description	
Source	Recombinant Cynomolgus PDGF R alpha/PDGFRα Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln24-Glu524.
Accession	Q0PW86
Molecular Weight	The protein has a predicted MW of 57.32 kDa. Due to glycosylation, the protein migrates to 70-85 kDa based on Bis-Tris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

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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

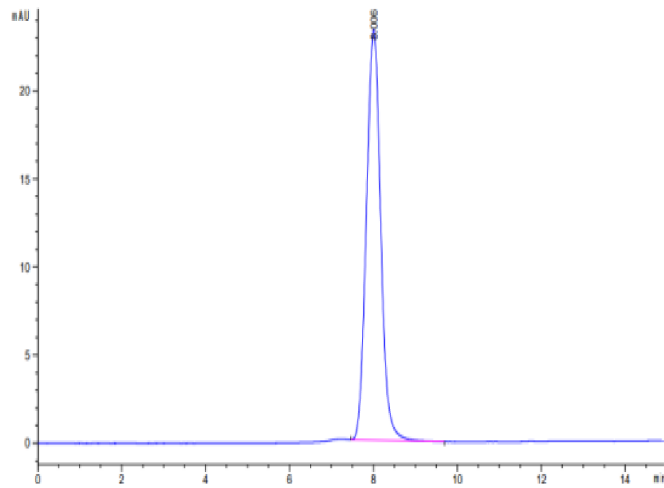
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

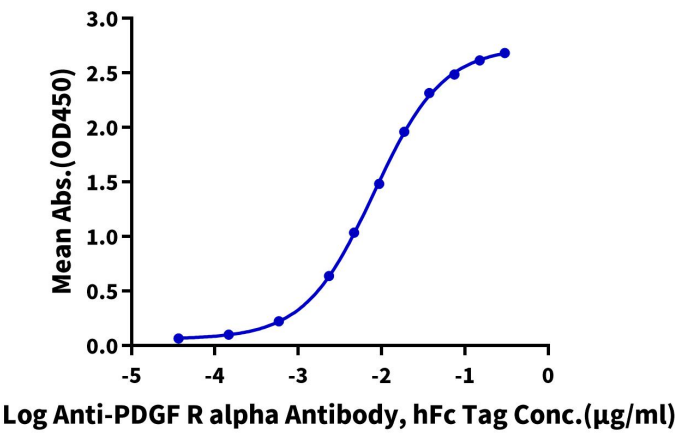


The purity of Cynomolgus PDGF R alpha is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus PDGF R alpha, His Tag ELISA

0.1μg Cynomolgus PDGF R alpha, His Tag Per Well



Immobilized Cynomolgus PDGF R alpha, His Tag at 1μg/ml (100μl/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.