

Mouse PDGF R alpha/PDGFRA Protein

Cat. No. PFR-MM10A



Description

Source	Recombinant Mouse PDGF R alpha/PDGFRA Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser29-Ala528.
Accession	P26618-1
Molecular Weight	The protein has a predicted MW of 57.08 kDa. Due to glycosylation, the protein migrates to 68-80 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 > 90% as determined by HPLC

Formulation and Storage

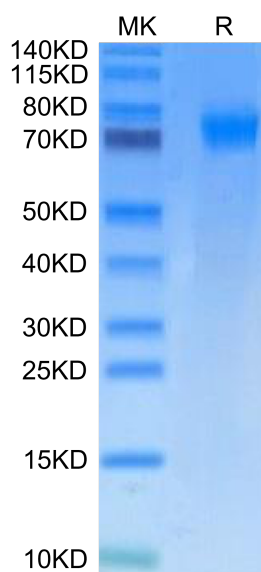
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

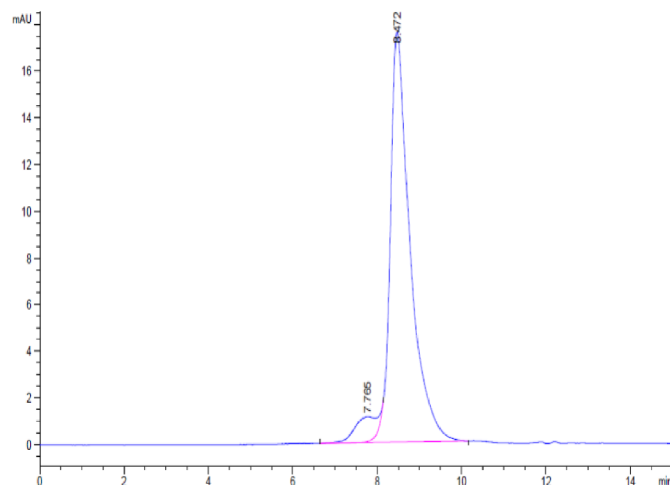
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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