

Datasheet for ABIN7275438

PDGFRA Protein (AA 24-524) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	PDGFRA
Protein Characteristics:	AA 24-524
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDGFRA protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus PDGF R alpha/PDGFRA Protein
Sequence:	Gln24-Glu524
Characteristics:	Recombinant Cynomolgus PDGF R alpha/PDGFRA Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gln24-Glu524.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	PDGFRA
Alternative Name:	PDGF R alpha (PDGFRA Products)

Target Details

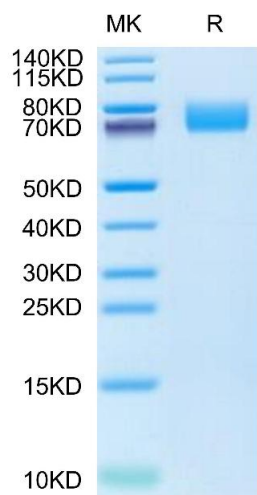
Background:	Platelet-derived growth factor is commonly known as a mitogen. Many research data suggest a role for PDGF-beta R in the mitogenic response of mesangial cells. There are four members of PDGF family known as PDGF-A chain, PDGF-B chain, PDGF-C chain and PDGF-D chain, which in active forms are dimers. As far as two receptors PDGF-alpha R and PDGF-beta R are known to bind PDGF.
Molecular Weight:	57.32 kDa. Due to glycosylation, the protein migrates to 70-85 kDa based on Tris-Bis PAGE result.
UniProt:	Q0PW86
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Platelet-derived growth Factor Receptor Signaling

Application Details

Restrictions:	For Research Use only
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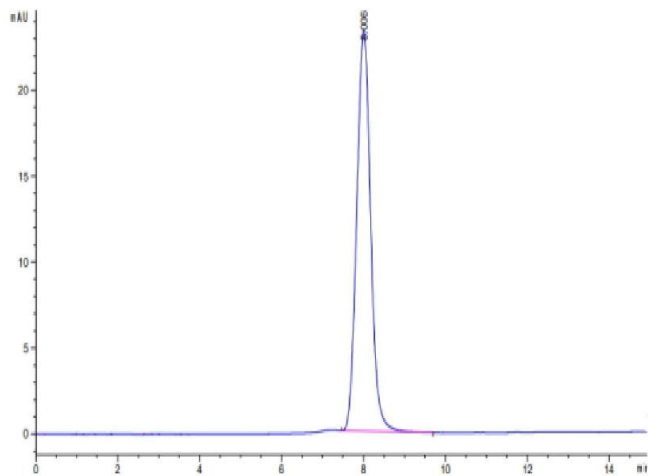
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months



SDS-PAGE

Image 1. Cynomolgus PDGF R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus PDGF R alpha is greater than 95 % as determined by SEC-HPLC.