

Datasheet for ABIN7275440

PDGFRA Protein (His-Avi Tag,Biotin)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	PDGFRA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDGFRA protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	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)
Background:	PDGFRA, CD140A, PDGFR2, RHEPDGFRA, MGC74795, PDGFR-2,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.

Target Details

Molecular Weight:	59.2 kDa. Due to glycosylation, the protein migrates to 70-83 kDa based on Tris-Bis PAGE result.
UniProt:	P16234
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Platelet-derived growth Factor Receptor Signaling

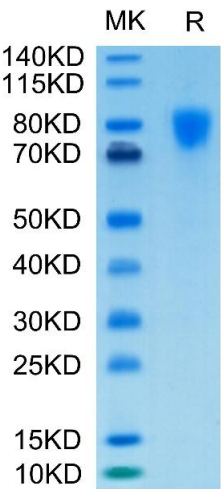
Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

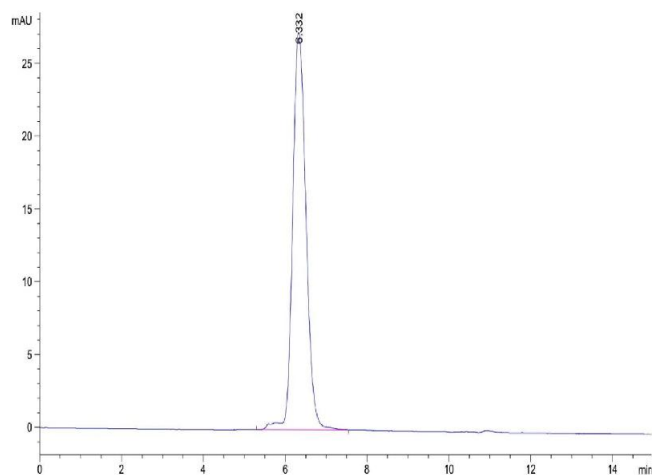
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



SDS-PAGE

Image 1. Biotinylated Human PDGF R alpha/PDGFRα 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 Biotinylated Human PDGF R alpha/PDGFRA is greater than 95 % as determined by SEC-HPLC.