

## Datasheet for ABIN7319499 PDGFRA Protein (His tag)



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### Overview

Quantity:	50 µg
Target:	PDGFRA
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDGFRA protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human PDGFRA/CD140a Protein (His Tag)
Sequence:	Gln24-Glu524
Characteristics:	Recombinant Human PDGFRA is produced by our Mammalian expression system and the target gene encoding Gln24-Glu524 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	PDGFRA
Alternative Name:	PDGFRA/CD140a ( <a href="#">PDGFRA Products</a> )
Background:	Background: Platelet-derived Growth Factor Receptor Alpha (PDGF Rα) is an enzyme that belongs to the class III subfamily of receptor tyrosine kinases. It is a type I transmembrane glycoprotein, and can form homo- or hetero-dimeric receptors when engaged by dimers of the

## Target Details

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PDGF family of growth factors, PDGF R $\alpha$  is strongly expressed in oligodendrocyte, lung, skin and intestinal progenitor cells and induced by inflammation or growth in culture, but is lowly expressed in most mesenchymal cells. PDGF R $\alpha$  autophosphorylates upon dimerization, activating signaling cascades in PI-3kinase Ras-MAP kinase, and PLC- $\gamma$  pathways. PDGF R $\alpha$  has influence on local gradients of epithelially produced PDGF-AA or PDGF-CC during formation of the cranial ,cardiac neural crest and interstitial kidney mesenchyme.

Synonym: CD140A,PDGFR-2,PDGFR2,RHEPDGFRA,Platelet-derived growth factor receptor alpha, PDGFR-alpha, Alpha platelet-derived growth factor receptor,CD140 antigen-like family member A, Platelet-derived growth factor alpha receptor, Platelet-derived growth factor receptor 2

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Molecular Weight: 57 kDa

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UniProt: [P16234](#)

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Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Platelet-derived growth Factor Receptor Signaling](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Please refer to the printed manual for detailed information.

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Buffer: Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH 7.4.

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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.