

Datasheet for ABIN7197403  
**PDGFRB Protein (His tag)**



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1 Image

## Overview

Quantity:	100 µg
Target:	PDGFRB
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PDGFRB protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Rat PDGFRB/CD140b Protein (His Tag)(Active)
Sequence:	Met1-Lys530
Characteristics:	A DNA sequence encoding the rat PDGFRB (Q05030) (Met1-Lys530) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized rat PDGFRB-His at 10 µg/ml (100 µl/well) can bind Cynomolgus PDGFB , The EC50 of Cynomolgus PDGFB is 3-7 ng/ml.

## Target Details

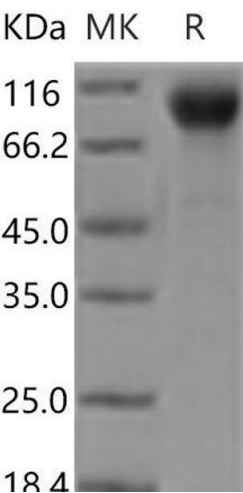
Target:	PDGFRB
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## Target Details

Alternative Name:	PDGFRB/CD140b ( <a href="#">PDGFRB Products</a> )
Background:	<p>Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD140b, also known as PDGFRB, is a member of the CD system. CD140b is a cell surface tyrosine kinase receptor essential for development interacting with the platelet-derived growth factors (PDGFs) which serves as mitogens for mesenchymal cells. CD140b can bind with platelet-derived growth factor (PDGF)-B, that are secreted by tumors and phosphorylation of PDGFR-<math>\beta</math> was correlated with depth of cancer invasion at statistically significant level.</p> <p>Immune Checkpoint   Immunotherapy   Cancer Immunotherapy   Targeted Therapy</p> <p>Synonym: PDGFRB;Pdgfr;Pdgfr1;PDGFR-1</p>
Molecular Weight:	57.6 kDa
UniProt:	<a href="#">Q05030</a>
Pathways:	<a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a>

## Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.