

## Product datasheet

# Recombinant human PDGFR alpha protein ab84797

[5 Images](#)

### Description

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<b>Product name</b>	Recombinant human PDGFR alpha protein
<b>Biological activity</b>	Specific activity: 12nmol/min/mg.
<b>Purity</b>	> 90 % Densitometry. Affinity purified.
<b>Expression system</b>	Baculovirus infected Sf9 cells
<b>Accession</b>	<b><u>P16234-1</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Predicted molecular weight</b>	95 kDa
<b>Amino acids</b>	550 to 1089
<b>Tags</b>	GST tag N-Terminus
<b>Additional sequence information</b>	Recombinant fragment of Human PDGF Receptor alpha (550-end) (cytoplasmic domain).

### Specifications

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Our **Abpromise guarantee** covers the use of **ab84797** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Western blot Functional Studies
<b>Form</b>	Liquid
<b>Additional notes</b>	<b><u>ab204877</u></b> (Poly (4:1 Glu, Tyr) peptide) can be utilized as a substrate for assessing kinase activity

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

## General Info

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### Function

Receptor that binds both PDGFA and PDGFB and has a tyrosine-protein kinase activity.

### Tissue specificity

Expressed in primary and metastatic colon tumors and in normal colon tissue. Tumors may express a different isoform to that found in normal tissue.

### Involvement in disease

Note=A chromosomal aberration involving PDGFRA is found in some cases of hypereosinophilic syndrome. Interstitial chromosomal deletion del(4)(q12q12) causes the fusion of FIP1L1 and PDGFRA (FIP1L1-PDGFR).

### Sequence similarities

Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.

Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

Contains 1 protein kinase domain.

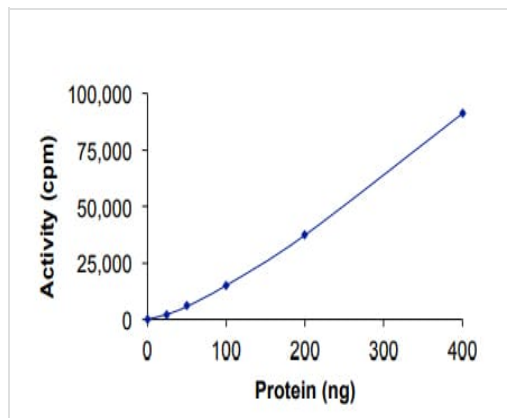
### Cellular localization

Membrane.

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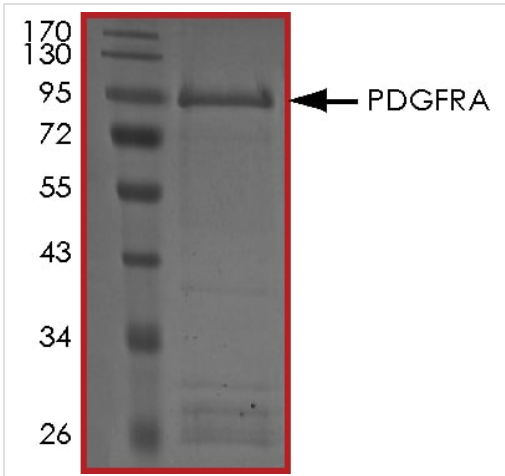
## Images

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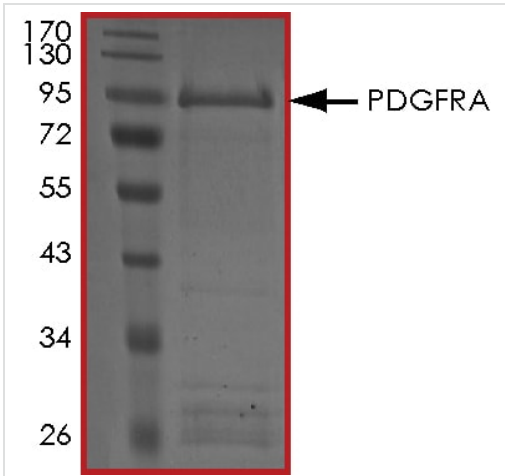
The specific activity of PDGFR alpha (ab84797) was determined to be 12.5 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human PDGFR  
alpha protein (ab84797)



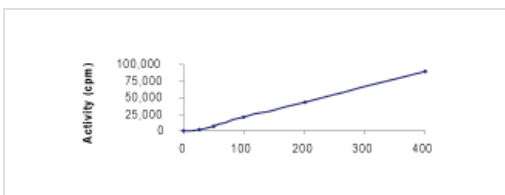
SDS PAGE analysis of ab84797

SDS-PAGE - Recombinant human PDGFR alpha protein (ab84797)



SDS PAGE analysis of ab84797

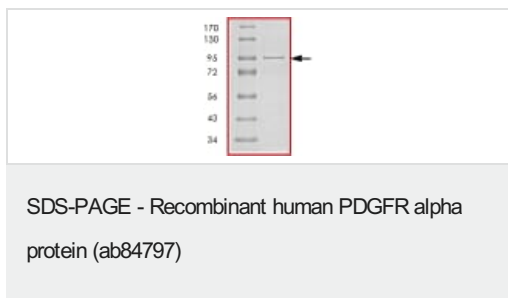
SDS-PAGE - Recombinant human PDGFR alpha protein (ab84797)



Activity of ab84797

Functional Studies - Recombinant human PDGFR alpha protein (ab84797)

## SDS Page analysis of ab84797



**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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