

Product datasheet

Recombinant human PDGFR alpha protein ab84797

[5 Images](#)

Description

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

Specifications

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.

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

Preparation and Storage

| | |
|------------------------------|--|
| Stability and Storage | 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 |
|------------------------------|--|

This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

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.

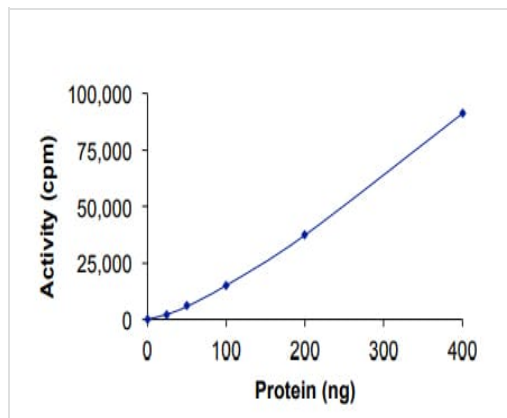
Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

Contains 1 protein kinase domain.

Cellular localization

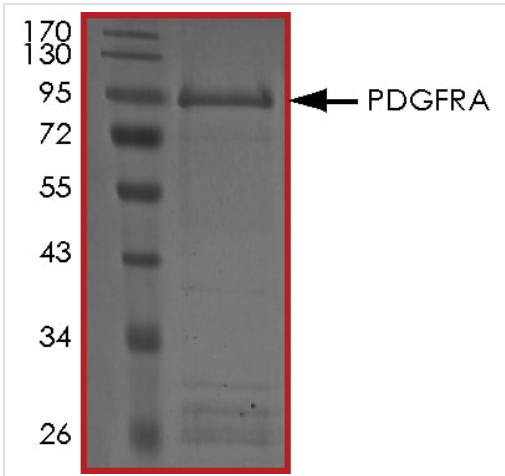
Membrane.

Images



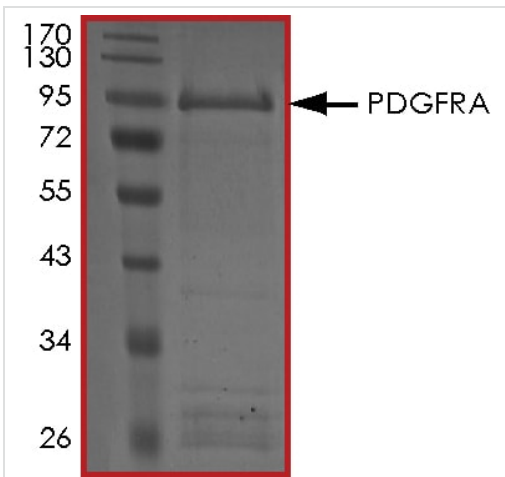
The specific activity of PDGFR alpha (ab84797) was determined to be 12.5 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human PDGFR
alpha protein (ab84797)



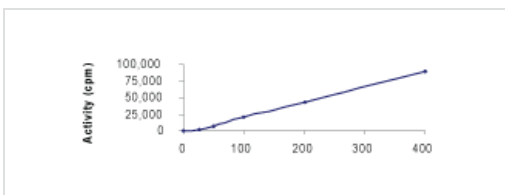
SDS PAGE analysis of ab84797

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



SDS PAGE analysis of ab84797

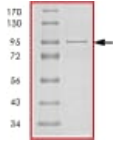
SDS-PAGE - Recombinant human PDGFR alpha protein (ab84797)



Activity of ab84797

Functional Studies - Recombinant human PDGFR alpha protein (ab84797)

SDS Page analysis of ab84797



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

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