

Product datasheet

Recombinant human PDGFR alpha (mutated D842V) protein (Active) ab268845

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Description

Product name	Recombinant human PDGFR alpha (mutated D842V) protein (Active)
Biological activity	The specific activity of ab268845 was 54 nmol/min/mg in a kinase assay using MBP protein as substrate.
Purity	> 90 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>P16234</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Molecular weight information	95 kDa by SDS-PAGE
Amino acids	550 to 1089
Modifications	mutated D842V
Tags	GST tag N-Terminus
Additional sequence information	NM_006206

Specifications

Our **Abpromise guarantee** covers the use of **ab268845** in the following tested applications.

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

Applications	SDS-PAGE Functional Studies
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.
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pH: 7.50

Constituents: 0.79% Tris HCl, 0.87% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine)

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.

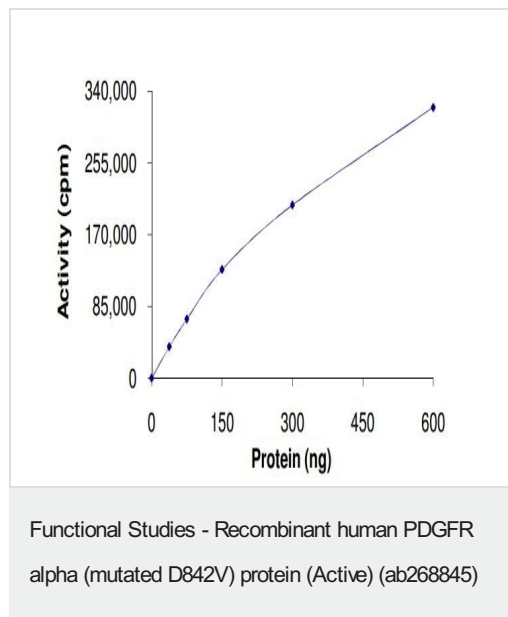
Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

Contains 1 protein kinase domain.

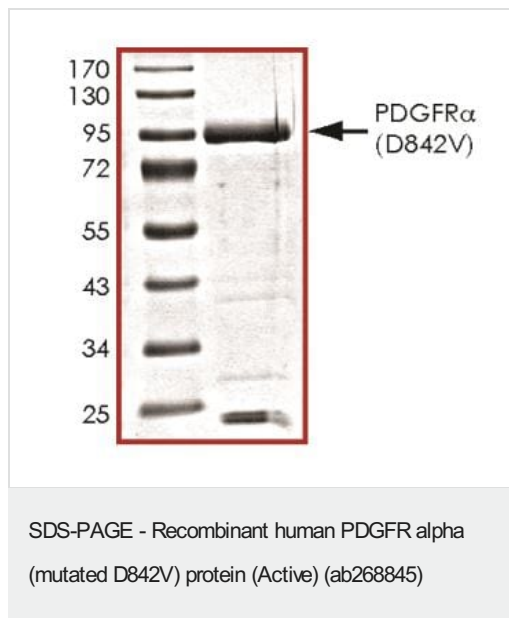
Cellular localization

Membrane.

Images



The specific activity of ab268845 was 54 nmol/min/mg in a kinase assay using MBP protein as substrate.



SDS-PAGE analysis of ab268845.

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

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