

Product datasheet

Recombinant human PDGFAA + PDGFBB protein ab61903

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Description

Product name	Recombinant human PDGFAA + PDGFBB protein
Biological activity	Biological Activity: The activity is determined by the dose-dependent proliferation of mouse 3T3 indicator cells and is typically less than 1 ng/mL.
Purity	> 95 % SDS-PAGE. Purity greater than 98% as determined by: Analysis by RP-HPLC. Reducing and non-reducing SDS-PAGE.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	alpha chain:-MSIEEAVPAV CKTRTVIYEI PRSQVDPTSA NFLWPPCVE VKRCTGCCNT SSVKCQPSRV HHRSVKVAKV EYVRKKPKLK EVQVRLEEHL ECACATTSLN PDYREEDTGR PRESGKKRKR KRLKPT beta chain:-MSLGSLTIAE PAMIAECKTR TEVFEISRRL IDRTNANFLV WPPCVEVQRC SGCCNNRNQ CRPTQVQLRP VQVRKIGMR KKPIFKKATV TLGDHLACKC ETVAAARPVT

Specifications

Our **Abpromise guarantee** covers the use of **ab61903** 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	Lyophilized
Additional notes	It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Constituent: 0.06% Acetic acid

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

Reconstitution

It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

General Info

Function

Platelet-derived growth factor is a potent mitogen for cells of mesenchymal origin. Binding of this growth factor to its receptor elicits a variety of cellular responses. It is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heals the wound.

Tissue specificity

Expressed at high levels in the heart, brain (sustantia nigra), placenta and fetal kidney. Expressed at moderate levels in the brain (hippocampus), skeletal muscle, kidney and lung.

Involvement in disease

Note=A chromosomal aberration involving PDGFB is found in dermatofibrosarcoma protuberans. Translocation t(17;22)(q22;q13) with PDGF.

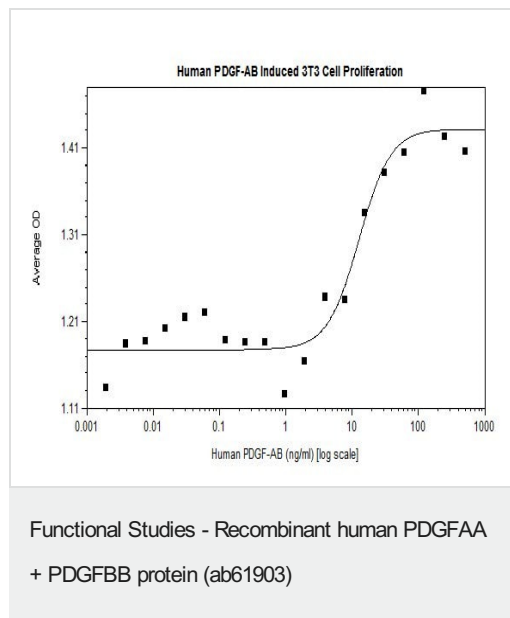
Sequence similarities

Belongs to the PDGF/VEGF growth factor family.

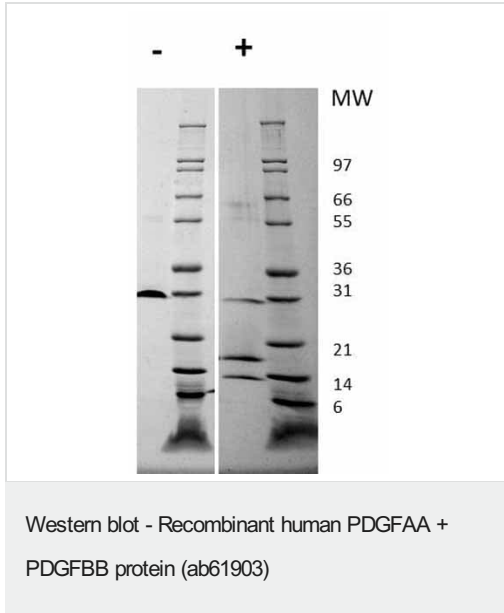
Cellular localization

Secreted.

Images



Functional analysis of ab61903



ab61903 used in Western Blot. Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel stained with Coomassie Blue. Human PDGF-AB is predicted to be a disulfide linked heterodimer with a predicted MW of 25.5 kDa.

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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