

Product datasheet

Recombinant mouse PDGF AA protein ab78590

[2 Images](#)

Description

| | |
|----------------------------|--|
| Product name | Recombinant mouse PDGF AA protein |
| Biological activity | Biological Activity: Determined by the dose-dependent stimulation of the proliferation of Balb/c 3T3 cells. The expected ED ₅₀ for this effect is 8-10 ng/ml. |
| Purity | > 95 % SDS-PAGE. Purity Greater than 97% as determined by reducing and non-reducing SDS-PAGE, and by analytical HPLC. This product was sterile filtered. |
| Expression system | Escherichia coli |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Species | Mouse |
| Sequence | MSIEEAVPAV CKTRTVIYEI PRSQVDPTSA NFLWPPCVE VKRCTGCCNT SSVKCQPSRV HHRSVKVAKV EYVRKKPKLK EVQVRLEEHL ECACATSNLN PDHREEEETGR RRESGKNRKR KRLKPT |

Specifications

Our **Abpromise guarantee** covers the use of **ab78590** 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 |
| 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. This product is an active protein and may elicit a biological response in vivo, handle with caution. |
| Reconstitution | Reconstitute the lyophilized product with sterile water at a concentration of 0.1 -0.5 mg's/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.

Sequence similarities

Belongs to the PDGF/VEGF growth factor family.

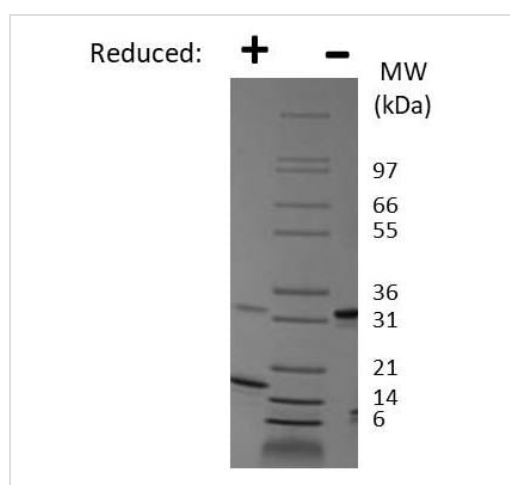
Domain

The long form contains a basic insert which acts as a cell retention signal.

Cellular localization

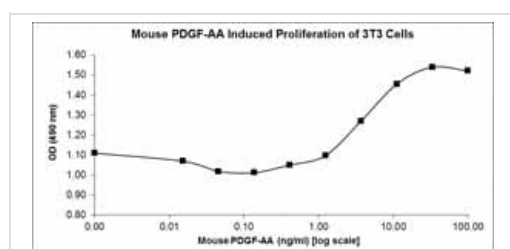
Secreted.

Images



SDS PAGE analysis of ab78590 under non-reducing (-) and reducing (+) conditions. Stained with Coomassie Blue.

SDS-PAGE - Recombinant mouse PDGF AA protein (ab78590)



ab78590 used in Functional Studies.

Functional Studies - Recombinant mouse PDGF AA protein (ab78590)

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

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