

Product datasheet

Recombinant human PDGF AB protein (Animal Free)
 ab179496

2 Images

Description

Product name	Recombinant human PDGF AB protein (Animal Free)	
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 determined by Reducing and Non-reducing SDS-PAGE.	
Endotoxin level	<=1.000 Eu/µg	
Expression system	Escherichia coli	
Protein length	Full length protein	
Animal free	Yes	
Nature	Recombinant	
Species	Human	
Sequence	Alpha chain: MSIEEAVPAVCKTRTVIYEIPRSQVDPTSANFLIWPPCV EVK RCTGCCNTSSVKCQPSRVHRSVKVAKVEYVRKKPK LKEVQVRLEEHL ACATTSLNPDYREEDTGRPRESGKKRKRRLKPT Beta chain: SLGSLTAEPAEAECKTRTEVFEISRRLIDRTNANFLVW PP CVEVQRCSGCCNNRNVQCRPTQVQLRPVQVRKIGMR KKPIFKKATVTLG DHLACKCETVAAARPVT	
Predicted molecular weight	26 kDa	
Additional sequence information	Non-glycosylated, disulfide-linked heterodimer, containing one 14.3 kDa alpha-chain (aa87-211; UniProt P04085) and one 12.1 kDa beta-chain (aa82-190; UniProt P01127).	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab179496** 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	Lyophilised

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot. Store at -20°C. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA).

Constituent: 0.06% Acetic acid

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

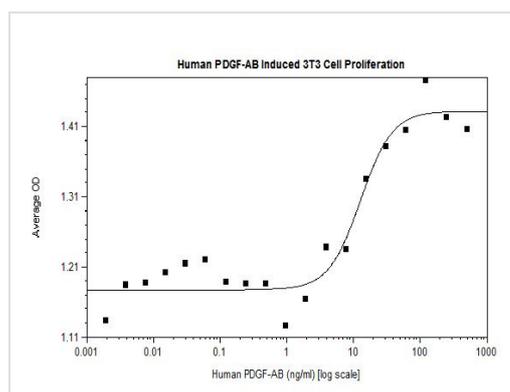
Reconstitution Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilised product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

General Info

Relevance Platelet Derived Growth Factor (PDGF) is a potent mitogen for a wide range of cell types including fibroblasts, smooth muscle and connective tissue. PDGF, which is composed of a dimer of two chains joined by disulphide bonds, termed the A chain and B chain, can be present as AA or BB homodimers or as an AB heterodimer. Human PDGF-AB is a 25.5 kDa heterodimer protein consisting of a 13.3 kDa A chain and a 12.2 kDa B chain.

Cellular localization Secreted

Images



Functional analysis of ab179496

Functional Studies - Recombinant human PDGF AB protein (Animal Free) (ab179496)



SDS PAGE analysis of ab179496 under non-reducing (-) and reducing (+) conditions. Stained with Coomassie Blue.

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

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