

Product datasheet

Recombinant rat PDGF AA protein ab202796

1 References

Description

Product name	Recombinant rat PDGF AA protein
Biological activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 5.0 ng/mL, corresponding to a specific activity of > 2.0 × 10 ⁵ IU/mg.
Purity	> 98 % SDS-PAGE. > 98 % by HPLC analysis.
Expression system	Escherichia coli
Accession	<u>P28576-2</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Rat
Sequence	MSIEEAIPAVCKTRTVIYEIPRSQVDPTSANFLIWPPCVEVK RCTGCCNT SSVKCQPSRVHHRSVKVAKVEYVRKKPKLKEVQVRLEE HLECACATSNLN PDHREEETDVR
Predicted molecular weight	25 kDa
Amino acids	87 to 196
Additional sequence information	This product is the mature full length protein from aa 87 to 196. The signal peptide and propeptide are not included. Disulfide-linked homodimeric protein.

Specifications

Our **Abpromise guarantee** covers the use of **ab202796** 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 HPLC
Form	Lyophilized

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C long term. Avoid freeze / thaw cycle.

Constituent: 0.1% Trifluoroacetic acid

Lyophilised from a 0.2 µm filtered concentrated solution containing 30 % Acetonitrile.

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

Reconstitution

Briefly centrifuge vial prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20°C to -70°C. Further dilutions should be made in appropriate buffered 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.

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

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