

RP01763

Leader in Biomolecular Solutions for Life Science



Recombinant Human PDGF-BB Protein

Catalog No.: RP01763

Recombinant

1 Publications

Sequence Information

Species Gene ID Swiss Prot

<I>Pichia</I>15155 P01127

>

Tags

No-tag

Synonyms

SIS; SSV; IBGCS; PDGF2; c-sis;
PDGF-2;PDGF subunit B;PDGF-
BB;PDGFB

Product Information

Source Purification

<I>Pichia</I>

Endotoxin

< 0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered
solution of 20mM NaAc , pH 4.5.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled water.
Avoid vortex or vigorously pipetting
the protein. For long term storage, it is
recommended to add a carrier protein
or stabilizer (e.g. 0.1% BSA, 5% HSA,
10% FBS or 5% Trehalose), and aliquot
the reconstituted protein solution to
minimize free-thaw cycles.

Background

Platelet-derived growth factor-B (PDGFB) is necessary for normal cardiovascular development. The administration of PDGFB alone normalized tumor vasculature by increasing periendothelial coverage and vascular functionality. Interestingly, this effect exerted by PDGFB was also observed in the presence of DAPT. So PDGFB is able to improve tumor vascularity and allows the anticancer action of DAPT in the tumor.

Basic Information

Description

Recombinant Human PDGF-BB Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Ser82-Thr190) of human PDGF-BB (Accession #NP_002599.1) fused with a additional amino acid free.

Bio-Activity

1.Immobilized PDGF-BB (Catalog: RP01763) at 2 μg/mL (100 μL/well) can bind Human PDGFRB (Catalog: RP00126) with a linear range of 0.1-75.4 ng/mL.2.Recombinant Human PDGF-BB Protein was measured in a cell proliferation assay using BALB/3T3 mouse fibroblasts. The ED50 for this effect is 2.09-8.36 ng/mL, corresponding to a specific activity of $1.20 \times 10^5 \sim 4.78 \times 10^5$ units/mg.

Storage

Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

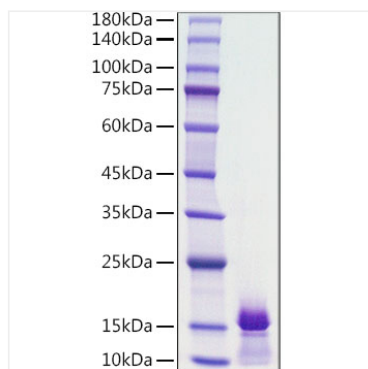
Contact



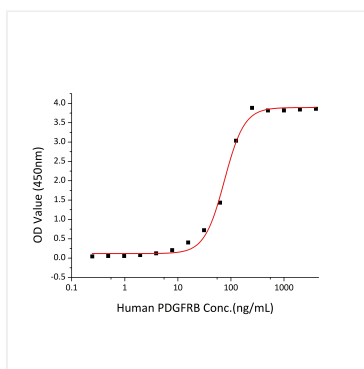
www.abclonal.com

* For your safety and health, please wear a lab coat and disposable gloves when handling.

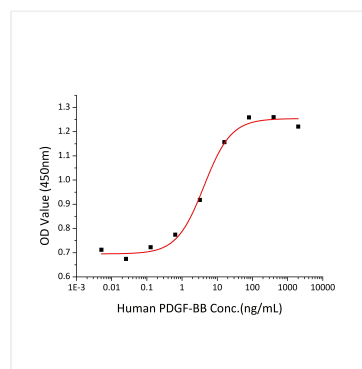
Validation Data



Recombinant Human PDGF-BB Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized PDGF-BB (Catalog: RP01763) at 2 µg/mL (100 µL/well) can bind Human PDGFRB (Catalog: RP00126) with a linear range of 0.1-75.4 ng/mL.



Recombinant Human PDGF-BB Protein was measured in a cell proliferation assay using BALB/3T3 mouse fibroblasts. The ED₅₀ for this effect is 2.09-8.36 ng/mL, corresponding to a specific activity of $1.20 \times 10^5 \sim 4.78 \times 10^5$ units/mg.