

Recombinant Human PDGF-BB Protein

Catalog No.: RP01763 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5155	P01127

Tags

No-tag

Synonyms

SIS; SSV; IBGC5; 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 freeze-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

Measured by its binding ability in a functional ELISA. Immobilized PDGF-BB (Catalog: RP01763) at 2 μg/mL (100 μL/well) can bind Human PDGFRB (Catalog: RP00126) with a linear range of 0.1-104.7 ng/mL.

Storage

Store the lyophilized protein at -20°C to -80°C for 12 months.
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.

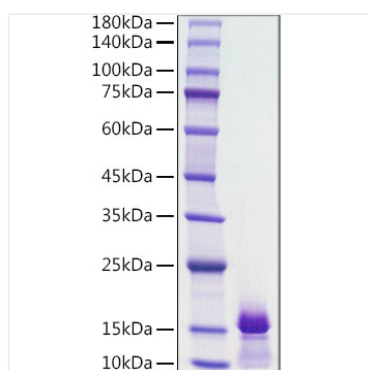
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Validation Data



Recombinant Human PDGF-BB Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 14 kDa.