

## Recombinant Human PDGF-BB Protein

RPCB1557

### Description

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This high-purity Recombinant Human PDGF-BB Protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Protein Information

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<b>SKU:</b>	RPCB1557
<b>Contents:</b>	10 µg, 20 µg, 50 µg, 100 µg Bradford Reagent: 1 vial (2ml)
<b>Synonyms:</b>	SIS, SSV, IBGC5, PDGF2, c-sis, PDGF-2, PDGF subunit B, PDGF-BB, PDGFB
<b>Species:</b>	Human
<b>Gene ID:</b>	5155
<b>Expression Host:</b>	Pichia
<b>Tags:</b>	No-tag
<b>Calculated MW:</b>	12.30 kDa
<b>Observed MW:</b>	10-17 kDa
<b>Purification:</b>	≥ 90 % as determined by SDS-PAGE.
<b>Endotoxin:</b>	< 0.1 EU/µg of the protein by LAL method.
<b>Formulation:</b>	Lyophilized from a 0.22 µm filtered solution of 20mM NaAc, pH 4.5.
<b>Bio- Activity:</b>	1. Immobilized PDGF-BB (RPCB1557) at 2 µg/mL (100 µL/well) can bind Human PDGFRB (RPCB0314) 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

**Manufacturers Statement - This final kit system is assembled and quality-released by Assay Genie Limited**

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.

## Preparation & Storage

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**Shipping:** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

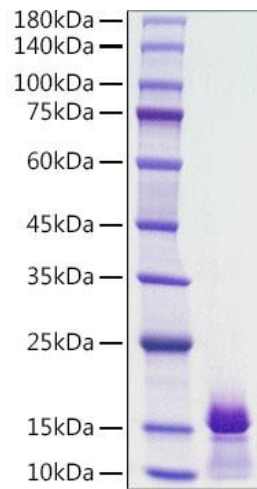
**Storage:** Store at  $-20^{\circ}\text{C}$ . Store the lyophilized protein at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at  $-20^{\circ}\text{C}$  for 3 months, at  $2-8^{\circ}\text{C}$  for up to 1 week.  
Store Bradford Reagent at Room Temperature for 1 Year.

**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.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol.

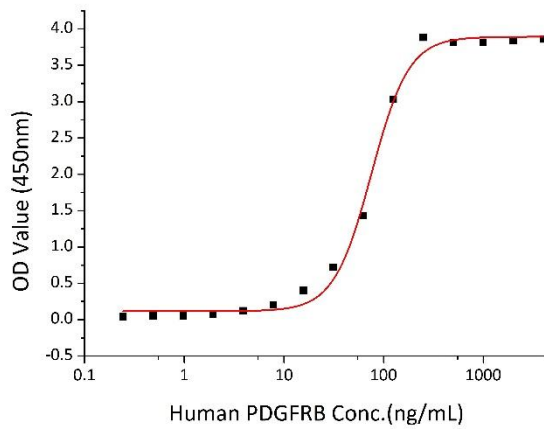
## Validation Data

### Image



### Description

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



Immobilized PDGF-BB (RPCB1557) at 2  $\mu\text{g/mL}$  (100  $\mu\text{L/well}$ ) can bind Human PDGFRB (RPCB0314) with a linear range of 0.1-75.4 ng/mL.