

## Recombinant Human PDGF-BB Protein (Active)

Catalog No. PKSH032906

### Description

<b>Synonyms</b>	Platelet-Derived Growth Factor Subunit B; PDGF Subunit B; PDGF-2; Platelet-Derived Growth Factor B Chain; Platelet-Derived Growth Factor Beta Polypeptide; Proto-Oncogene c-Sis; Becaplermin; PDGFB; PDGF2; SIS
<b>Species</b>	Human
<b>Expression_host</b>	E.coli
<b>Sequence</b>	Ser82-Thr190
<b>Accession</b>	P01127
<b>Mol_Mass</b>	12.4 kDa
<b>AP_Mol_Mass</b>	14 kDa
<b>Tag</b>	None
<b>Bio_activity</b>	Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 15-60ng/ml.

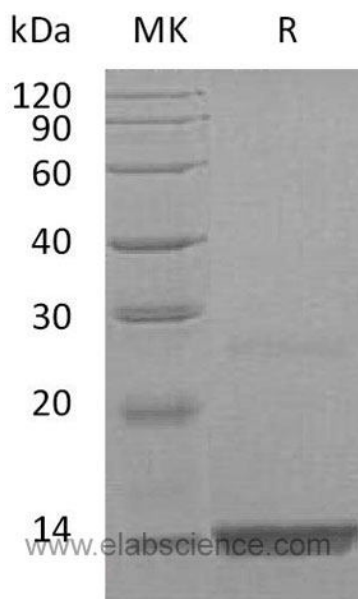
### Properties

<b>Purity</b>	>95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	<1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 4mM HCl.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

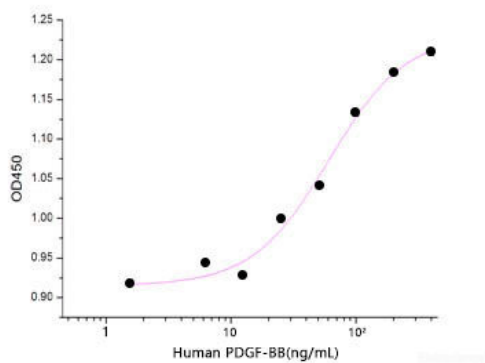
### Background

Platelet-Derived Growth Factor Subunit B (PDGFB) belongs to the PDGF/VEGF growth factor family. Platelet-derived growth factor is a potent mitogen for cells of mesenchymal origin. PDGFB can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. Mutations in this gene are associated with meningioma. Binding of PDGFB to its receptor elicits a variety of cellular responses. In addition, PDGFB is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heals the wound.

## SDS-PAGE



## Bioactivity



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