

Recombinant Human PDGF-BB Protein (Active)

Catalog No. PKSH032906

Description

Synonyms	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
Species	Human
Expression_host	E.coli
Sequence	Ser82-Thr190
Accession	P01127
Mol_Mass	12.4 kDa
AP_Mol_Mass	14 kDa
Tag	None
Bio_activity	Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 15-60ng/ml.

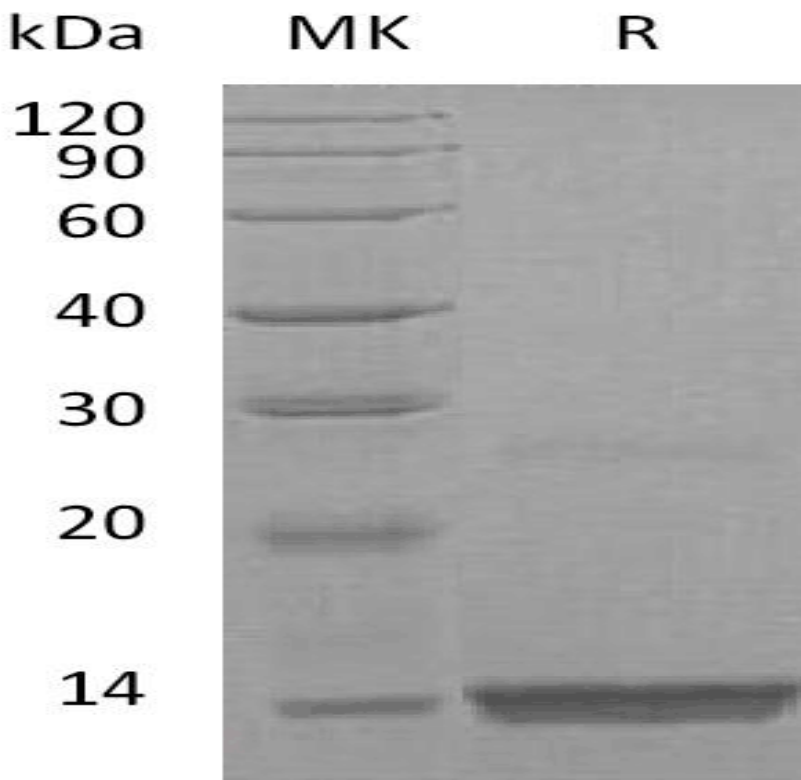
Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 4mM HCl. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

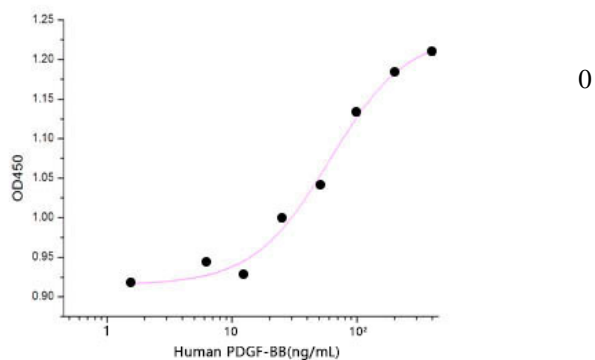
Background

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



For Research Use Only

Thank you for your recent purchase.
If you would like to learn more about proteins, please visit www.elabscience.com.

Focus on your research
Service for life science