

Recombinant Human PDGF-BB Protein (His Tag)(Active)

Catalog No. PKSH030442

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	Yeast
Sequence	Ser82-Thr190
Accession	NP_148937.1
Mol_Mass	14.3 kDa
Tag	N-His
Bio_activity	Measured by its binding ability in a functional ELISA.2.Immobilized human PDGFB at 10µg/mL (100µL/well) can bind human PDGFRβ-Fch, the EC50 of human PDGFRβ-Fch is 0.05-0.2 µg/mL.

Properties

Purity	>95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
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 sterile PBS, 25 % Glycerol, pH 7.4
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

