



Recombinant Protein Technical Manual

Recombinant Human PDGF-BB Protein (Active)

RPES2168

Product Data:

Product SKU: RPES2168

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P01127

Protein Information:

Molecular Mass: 12.4 kDa

AP Molecular Mass: 14 kDa

Tag:

Bio-activity: Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 15-60ng/ml.

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Cell Culture

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

Immunogen Information:

Sequence: Ser82-Thr190

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.