

Cat.No # MGF9010

Lot.No : Refer to Vial



Packaging: 10µg \ 50µg \ 500µg

Description

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.

Amino acid sequence

The target protein is expressed with sequence (Ser82-Thr190) of Human PDGFB.

Origin

Recombinant Human Platelet-Derived Growth Factor Subunit B/PDGFB is produced by our E. coli expression system.

Quality control

Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Dissolution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Store condition

Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

For Research Use Only. Not for use in diagnostic procedures.

