

Product Sheet

PDGF-bb, human recombinant

- Catalog #** PDGF-010; PDGF-050; PDGF-250; PDGF-1000
- Description** Platelet-Derived Growth Factor (PDGF) is a mitogen for many cell types, such as fibroblast, smooth muscle cells and endothelial cells.
- StemRD produces PDGF-bb in *Escherichia coli* as a disulfide bond-linked homodimer with a molecular mass of 25 kDa.
- This product is suitable for tissue culture uses.
- Source** *Escherichia coli*. Endotoxin level of this product is lower than 0.1 EU/ug.
- Formulation** Lyophilized from sterile filtered PBS solution, carrier-free.
- Reconstitution** Before reconstitution, we recommend a brief spin to drive down any material dislodged from the bottom of the tube. It is recommended to reconstitute the lyophilized product in acid solution such as 1mM HCl.
- Further dilutions should be made in sterile buffer or medium containing carrier proteins, such as albumin or serum.
- Stability** The lyophilized protein is stable for at least 1 year if stored at -80 degree C. Reconstituted protein is stable for at least 2 week at 4 degree C, but should be stored in aliquots at -80 degree C for longer term. Avoid repeated freeze/thaw.
- Purity** Greater than 95% by SDS-PAGE analysis
- Biological Activity** The activity was determined by proliferation of the NIH3T3 cells. The EC50 ranges from 1 – 5 ng/ml.

For Research Use Only. Not for Use in Humans.