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## Product Datasheet

### Recombinant Human PDGF-BB EBT-EPT197

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Recombinant Human PDGF-BB                                                                                                                                  |
| Biozol Catalog Number      | EBT-EPT197                                                                                                                                                 |
| Supplier Catalog Number    | EPT197                                                                                                                                                     |
| Alternative Catalog Number | EBT-EPT197-10                                                                                                                                              |
| Manufacturer               | ELK Biotechnology                                                                                                                                          |
| Category                   | Proteine/Peptide                                                                                                                                           |
| Product Description        | Recombinant Human Platelet-Derived Growth Factor BB is produced by our E.coli expression system and the target gene encoding Ser82-Thr190 is expressed.... |
| Molecular Weight           | Molecular weight: 12.42 KDa. Apparent molecular weight: 14 KDa, reducing conditions                                                                        |
| UniProt                    | <a href="#">P01127</a>                                                                                                                                     |
| Purity                     | Greater than 98% as determined by reducing SDS-PAGE.                                                                                                       |

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| Application Notes | <p>Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.02 ng/µg (0.2 EU/µg) as determined by LAL test. Biological activity: Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 5-20 ng/ml. 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</p> |
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