

# Recombinant Rat Platelet-derived Growth Factor-BB

#R00331

Size: 10 µg/100 µg/500 µg

## Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
  - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
  - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



**Warning:** This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

## AA Sequence

SLGSLAAAEPAVIAECKTRTEVFQISRNLIDRTNANFLV  
WPPCVEVQRCSGCCNNRNVQCRASQVQMRPVQVR  
KIEIVRKKPVFKKATVTLEDHLACKCETVVTPRPVT

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

## Product Specification

|                     |                                                                                                                                                                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accession           | Q05028                                                                                                                                                                                                                                      |
| GeneID              | 24628                                                                                                                                                                                                                                       |
| Species             | Rat                                                                                                                                                                                                                                         |
| Source              | Escherichia coli.                                                                                                                                                                                                                           |
| Molecular Weight    | Approximately 24.4 kDa, a disulfide-linked homodimeric protein containing two 109 amino acid residues polypeptide (B chain).                                                                                                                |
| Purity              | > 98 % by SDS-PAGE and HPLC analyses.                                                                                                                                                                                                       |
| Biological Activity | Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 2.0 ng/ml, corresponding to a specific activity of > 5.0 × 10 <sup>5</sup> |

|                                 |                                                                                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical Appearance Formulation | IU/mg.<br>Sterile Filtered White lyophilized (freeze-dried) powder.<br>Lyophilized from a 0.2 µm filtered concentrated solution in 1 × PBS, pH 6.9. |
| Endotoxin                       | Less than 0.1 EU/µg of rRtPDGF-BB as determined by LAL method.                                                                                      |