

## Data Sheet

### CellGenix® Recombinant Human Platelet Derived Growth Factor-BB (rh PDGF-BB)

Preclinical Grade - Order No.: 1409-010 (10 µg), 1409-050 (50 µg)

#### Product Characteristics

|              |  |
|--------------|--|
| Source       | <i>E. coli</i>   |
| Description  | Human PDGF-BB, accession # P01127, Ser82-Thr190<br>N-terminal Met<br>Molecular mass 24.8 kDa per homodimer   |
| Formulation  | Lyophilized from a 0.2 µm-filtered solution containing 1.5 mM potassium phosphate, 8.1 mM sodium phosphate, 2.7 mM potassium chloride, and 137 mM sodium chloride, pH 7.5. |
| Intended use | For preclinical ex vivo use. Not intended for therapeutic use.   |

#### Quality Parameters

|                               |   |
|-------------------------------|---|
| Activity                      | ≥ 0.4 x 10 <sup>6</sup> IU/mg calibrated against NIBSC #94/728<br>Measured in a cell proliferation assay using a PDGF-BB-dependent cell line, Balb/3T3  |
| Purity                        | ≥ 95 %, as determined by SDS-PAGE (under reducing conditions, visualized by Coomassie staining)   |
| Endotoxin                     | < 1000 EU/mg, as determined by LAL gel clot test  |
| Sterility                     | Sterility test of the vial product (direct inoculation)   |
| Mass per vial                 | 1409-010: 10 µg, 1409-050: 50 µg  |
| Animal-derived component-free | <b>ADCF Level 2:</b> The final product contains neither animal- nor human-derived materials. ADCF Level 2 cytokines are produced in our dedicated animal-free facility. No animal-derived components are used throughout the complete production process. All ADCF Level 2 cytokines are produced in <i>E. coli</i> . |

## Shipment & Storage

|                                |   |
|--------------------------------|---|
| <b>Transport</b>               | Ambient temperature. Please refer to Technote ( <a href="http://www.cellgenix.com">www.cellgenix.com</a> )  |
| <b>Expiry</b>                  | 3 years from date of shipment   |
| <b>Storage &amp; Stability</b> | Store lyophilized cytokine at -20°C to -80 °C.<br>Store a 250 µg/ml cytokine solution: <ul style="list-style-type: none"><li>• 4 weeks at 2°C to 8°C under sterile conditions after reconstitution. Store in the original container.</li><li>• 4 months at -20°C to -80°C under sterile conditions after reconstitution. Store in 60 µl aliquots in polypropylene cryogenic vials.</li></ul> Avoid repeated freeze/thaw cycles. |

## Handling Instructions

|                       |  |
|-----------------------|--|
| <b>Reconstitution</b> | Recommended in sterile water to a final concentration of 100 µg/ml (for 10 µg vials) or 250 µg/ml (for 50 µg vials).   |
| <b>Dilution</b>       | Recommended in CellGenix® serum-free media. For dilution with protein free medium, a carrier protein (0.1-1 % albumin or 1-10 % appropriate serum) has to be included. Failure to dilute product according to these instructions may result in loss of activity. |

## Quality Statement

Final manufacturing steps and QC are performed in a GMP facility.