

ChemUhot Recombinant Human Platelet-derived Growth Factor-BB GMP (rHuPDGF-BB GMP)

ChemWhat Technical Data Sheet (TDS)

Catalog Number: GMP-105-10 Source: Escherichia coli.

Molecular Weight: Approximately 24.8 kDa, a disulfide-linked homodimeric protein containing two 110 amino acid

residues polypeptide (B chain).

Quantity: $5\mu g/100\mu g/1mg$

MSLGSLTIAE PAMIAECKTR TEVFEISRRL IDRTNANFLV WPPCVEVQRC SGCCNNRNVQ AA Sequence:

CRPTQVQLRP VQVRKIEIVR KKPIFKKATV TLEDHLACKC ETVAAARPVT

> 98 % by SDS-PAGE and HPLC analyses. **Purity:**

Biological Activity: Fully biologically active when compared to standard. The ED₅₀ as determined by a cell proliferation

assay using murine Balb/c 3T3 cells is less than 3 ng/ml, corresponding to a specific activity of > 3.3

 \times 10⁵ IU/mg.

Sterile Filtered White lyophilized (freeze-dried) powder. Physical Appearance:

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. **Endotoxin:** Less than 0.01 EU/µg of rHuPDGF-BB GMP as determined by LAL method.

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 \leq -20 °C. Further dilutions should be made in appropriate buffered solutions.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature Shipping:

recommended below.

Stability & Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

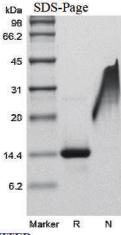
> A minimum of 12 months when stored at ≤ -20 °C as supplied. Refer to lot specific COA for the Use by Date.

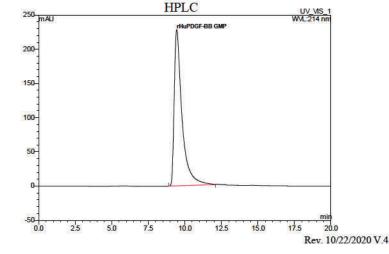
1 month, 2 to 8 °C under sterile conditions after reconstitution.

3 months, -20 to -70 °C under sterile conditions after reconstitution.

Usage: This GMP product can be for research use or further manufacturing use.

Quality statement: The manufacture and testing of this product is in compliance with ICH Q7a guidelines.





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