

Recombinant Human Interleukin-1 beta GMP (rHuIL-1β GMP)

PrimeGene Technical Data Sheet

Catalog Number: GMP-101-01B Source: Escherichia coli.

Molecular Weight: Approximately 17.4 kDa, a single non-glycosylated polypeptide chain containing 153 amino acids.

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

AA Sequence: APVRSLNCTL RDSQQKSLVM SGPYELKALH LQGQDMEQQV VFSMSFVQGE ESNDKIPVAL

GLKEKNLYLS CVLKDDKPTL QLESVDPKNY PKKKMEKRFV FNKIEINNKL EFESAQFPNW

YISTSQAENM PVFLGGTKGG QDITDFTMQF VSS

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

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

assay using murine D10S cells is less than 1.0 pg/ml, corresponding to a specific activity of $> 1.0 \times 10^9$

IU/mg.

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

Formulation: Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4, with 3 % Trehalose.

Endotoxin: Less than 0.01 EU/μg of rHuIL-1β GMP as determined by LAL method.

Residual HCP: The content of residual bacterial cell proteins is less than 0.10 % of total proteins.

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.

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

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.

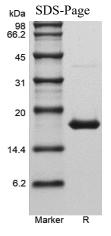
HPLC

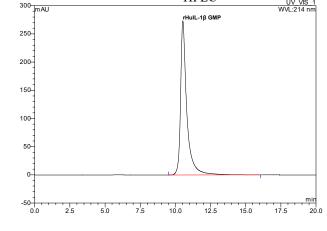
• 1 month, 2 to 8 °C under sterile conditions after reconstitution.

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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