

Chemillhot Recombinant Human Granulocyte-Macrophage **Colony Stimulating Factor GMP** (rHuGM-CSF GMP)

ChemWhat Technical Data Sheet (TDS)

Catalog Number: GMP-102-03 Source: Escherichia coli.

Approximately 14.5 kDa, a single non-glycosylated polypeptide chain containing 127 amino acids. Molecular Weight:

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

AA Sequence: APARSPSPST OPWEHVNAIO EARRLLNLSR DTAAEMNETV EVISEMFDLO EPTCLOTRLE

LYKQGLRGSL TKLKGPLTMM ASHYKQHCPP TPETSCATQI ITFESFKENL KDFLLVIPFD

CWEPVOE

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 human TF-1 cells is less than 0.1 ng/ml, corresponding to a specific activity of $> 1.0 \times$

107 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. Endotoxin: Less than 0.01 EU/µg of rHuGM-CSF 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.

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.

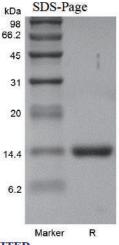
> A minimum of 12 months when stored at ≤ -20 °C as supplied. Refer to lot specific COA for the Use by Date.

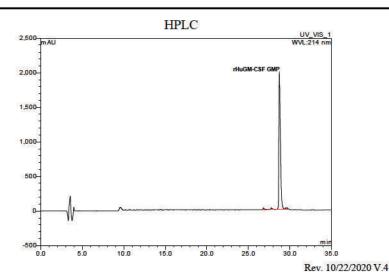
1 month, 2 to 8 °C under sterile conditions after reconstitution.

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

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

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





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