

Recombinant Human Stem Cell Factor GMP (rHuSCF GMP)

PrimeGene Technical Data Sheet

Catalog Number:

GMP-102-01

Source:

Escherichia coli.

Molecular Weight:

Approximately 18.5 kDa, a single non-glycosylated polypeptide chain containing 164 amino acids.

Quantity:

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

AA Sequence:

EGICRNRVTN NVKDVTKLVA NLPKDYMITL KYVPGMDVLP SHCWISEMVV QLSDSLTDLL

DKFSNISEGL SNYSIIDKLV NIVDDLVECV KENSSKDLKK SFKSPEPRLF TPEEFFRIFN

RSIDAFKDFV VASETSDCVV SSTLSPEKDS RVSVTKPFML PPVA

Purity:

> 95 % 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 10 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^5$

IU/mg.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.0.

Endotoxin:

Less than 0.01 EU/µg of rHuSCF 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 \leq -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.

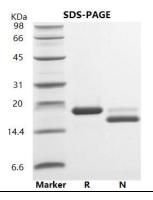
Usage:

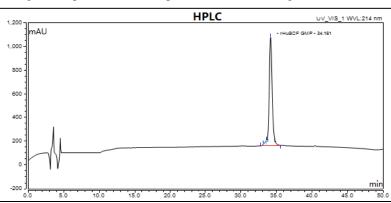
This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further

evaluation purposes. NOT FOR HUMAN USE.

Quality statement:

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





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