

Recombinant Human Interleukin-10 GMP (rHuIL-10 GMP)

PrimeGene Technical Data Sheet

Catalog Number:

GMP-101-10

Source:

Escherichia coli.

Molecular Weight:

Approximately 18.6 kDa, a single non-glycosylated polypeptide chain containing 160 amino acids.

Quantity:

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

AA Sequence:

SPGQGTQSEN SCTHFPGNLP NMLRDLRDAF SRVKTFFQMK DQLDNLLLKE SLLEDFKGYL

GCOALSEMIO FYLEEVMPOA ENODPDIKAH VNSLGENLKT LRLRLRRCHR FLPCENKSKA

VEQVKNAFNK LQEKGIYKAM SEFDIFINYI EAYMTMKIRN

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 murine MC/9-2 cells is less than 1 ng/ml, corresponding to a specific activity of $> 1.0 \times$

 10^6 U/mg.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 6.0, with 0.02 % Tween-20.

Endotoxin:

Less than 0.01 EU/µg of rHuIL-10 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 \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.

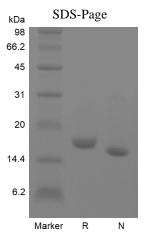
Usage:

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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