

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

## PrimeGene Technical Data Sheet

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| <b>Catalog Number:</b>          | GMP-101-10   |
| <b>Source:</b>                  | <i>Escherichia coli</i> .  |
| <b>Molecular Weight:</b>        | Approximately 18.6 kDa, a single non-glycosylated polypeptide chain containing 160 amino acids.  |
| <b>Quantity:</b>                | 5µg/100µg/1mg  |
| <b>AA Sequence:</b>             | SPGQGTQSEN SCTHFPGNLP NMLRDLRDAF SRVKTFFQMK DQLDNLLLKE SLLEDFKGYL<br>GCQALSEMIQ FYLEEVMPQA ENQDPDIKAH VNSLGENLKT LRLRLRRCHR FLPCENKSKA<br>VEQVKNAFNK LQEKGIYKAM SEFDIFINYI EAYMTMKIRN  |
| <b>Purity:</b>                  | > 95 % by SDS-PAGE and HPLC analyses.  |
| <b>Biological Activity:</b>     | Fully biologically active when compared to standard. The ED <sub>50</sub> 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 × 10 <sup>6</sup> U/mg.  |
| <b>Physical Appearance:</b>     | Sterile Filtered White lyophilized (freeze-dried) powder.  |
| <b>Formulation:</b>             | Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 6.0, with 0.02 % Tween-20.   |
| <b>Endotoxin:</b>               | Less than 0.01 EU/µg of rHuIL-10 GMP as determined by LAL method.  |
| <b>Residual HCP:</b>            | The content of residual bacterial cell proteins is less than 0.10 % of total proteins.   |
| <b>Reconstitution:</b>          | 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 ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.                 |
| <b>Shipping:</b>                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.  |
| <b>Stability &amp; Storage:</b> | <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>● A minimum of 12 months when stored at ≤ -20 °C as supplied. Refer to lot specific COA for the Use by Date.</li><li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li><li>● 3 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul> |
| <b>Usage:</b>                   | This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. <b>NOT FOR HUMAN USE.</b>   |
| <b>Quality statement:</b>       | <b>The manufacture and testing of this product is in compliance with ICH Q7a guidelines.</b>   |

