

## **Recombinant Human Interleukin-3 GMP** (rHuIL-3 GMP)

## PrimeGene Technical Data Sheet

Catalog Number: GMP-101-03 Source: Escherichia coli.

**Molecular Weight:** Approximately 15.0 kDa, a single non-glycosylated polypeptide chain containing 133 amino acids.

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

**AA Sequence:** APMTQTTSLK TSWVNCSNMI DEIITHLKQP PLPLLDFNNL NGEDQDILME NNLRRPNLEA

FNRAVKSLON ASAIESILKN LLPCLPLATA APTRHPIHIK DGDWNEFRRK LTFYLKTLEN

AQAQQTTLSL AIF

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

**Biological Activity:** Fully biologically active when compared to standard. The ED<sub>50</sub> 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  $> 1.0 \times$ 

 $10^7$  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 0.02 % Tween-20.

**Endotoxin:** Less than 0.01 EU/µg of rHuIL-3 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.

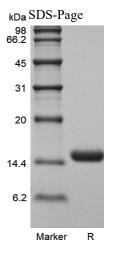
> A minimum of 12 months when stored at  $\leq$  -20 °C as supplied. Refer to lot specific COA for the Use by Date.

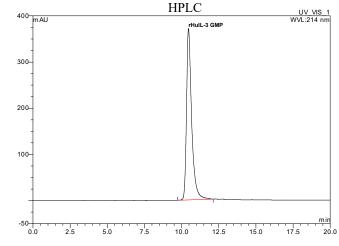
1 month, 2 to 8 °C under sterile conditions after reconstitution.

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

Usage: This 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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