

Recombinant Human Interleukin-15 GMP (rHuIL-15 GMP)

PrimeGene Technical Data Sheet

Catalog Number:

GMP-101-15

Source:

Escherichia coli.

Molecular Weight:

Approximately 12.9 kDa, a single non-glycosylated polypeptide chain containing 114 amino acids.

Quantity:

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

AA Sequence:

NWVNVISDLK KIEDLIQSMH IDATLYTESD VHPSCKVTAM KCFLLELQVI SLESGDASIH

DTVENLIILA NNSLSSNGNV TESGCKECEE LEEKNIKEFL QSFVHIVQMF INTS

Purity:

> 98 % by SDS-PAGE and HPLC analyses.

Biological Activity:

Measured in a cell proliferation assay using MO7e human megakaryocytic leukemic cells. The ED₅₀ for this effect is 0.300-2.60 ng/mL. The specific activity of recombinant human IL-15 is \geq 1.50 × 10⁸ units/mg, which is calibrated against the human IL-15 reference standard (NIBSC code: 95/554).

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation: Endotoxin:

Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4. Less than 0.01 EU/ μ g of rHuIL-15 GMP as determined by LAL method.

Sterility:

Negative.

Mycoplasma:

Negative when tested by RD-RCA.

Host Cell Protein:

Less than 0.05% when tested by ELISA.

In vitro virus assay:

Negative.

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.

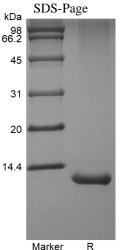
- A minimum of 12 months when stored at \leq -20 °C as supplied. Refer to lot specific COA for the Use by Date.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Usage:

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

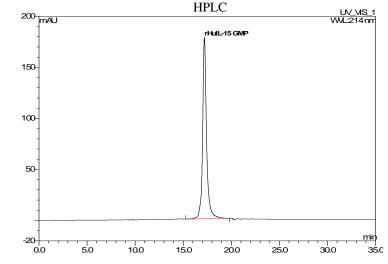
Quality statement:

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



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