

Recombinant Human Interleukin-2 GMP (rHuIL-2 GMP)

PrimeGene Technical Data Sheet

Catalog Number: GMP-101-02
Source: Escherichia coli.

Molecular Weight: Approximately 15.4 kDa, a single non-glycosylated polypeptide chain containing 133 amino acids.

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

AA Sequence: APTSSSTKKT QLQLEHLLLD LQMILNGINN YKNPKLTRML TFKFYMPKKA TELKHLQCLE

EELKPLEEVL NLAQSKNFHL RPRDLISNIN VIVLELKGSE TTFMCEYADE TATIVEFLNR

WITFCQSIIS TLT

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

Biological Activity: Fully biologically active when compared to standard. The ED_{50} as determined by a cell proliferation

assay using murine CTLL-2 cells is less than 0.1 ng/ml, corresponding to a specific activity of > 1.0 \times

 $10^7 \, \text{IU/mg}$.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 4.0.

Endotoxin: Less than 0.01 EU/µg of rHuIL-2 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 H₂O** 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. Do not reconstitute in cell culture media directly.

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.

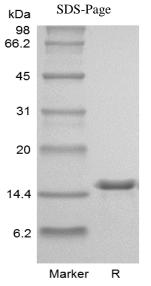
• 12 months from date of receipt, -20 to -70 °C as supplied.

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

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

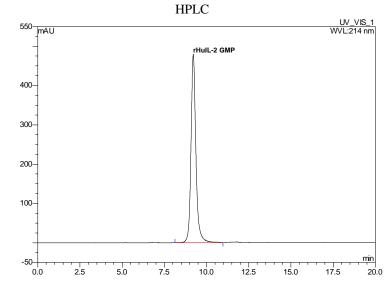
Usage: This GMP product can be for research use or further manufacturing use.

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



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