

Recombinant Human Interleukin-4 GMP (rHuIL-4 GMP)

PrimeGene Technical Data Sheet

Catalog Number: GMP-101-04 **Source:** Escherichia coli.

Molecular Weight: Approximately 15.0 kDa, a single non-glycosylated polypeptide chain containing 129 amino acids.

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

AA Sequence: HKCDITLQEI IKTLNSLTEQ KTLCTELTVT DIFAASKNTT EKETFCRAAT VLRQFYSHHE

KDTRCLGATA QQFHRHKQLI RFLKRLDRNL WGLAGLNSCP VKEANQSTLE NFLERLKTIM

REKYSKCSS

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 human TF-1 cells is less than 0.2 ng/ml, corresponding to a specific activity of > 5.0 \times

 10^6 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. Endotoxin: Less than 0.01 EU/μg of rHuIL-4 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 ≤ -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.

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

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

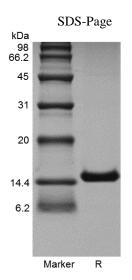
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• 3 months, -20 to -70 °C under sterile conditions after reconstitution.

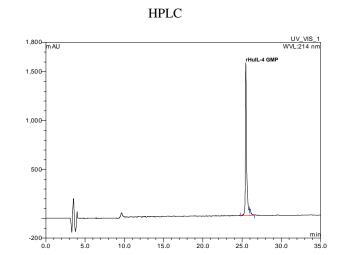
Usage: This GMP product can be for research use or further manufacturing use.

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



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