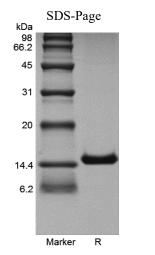
PrimeGene a biotechne brand

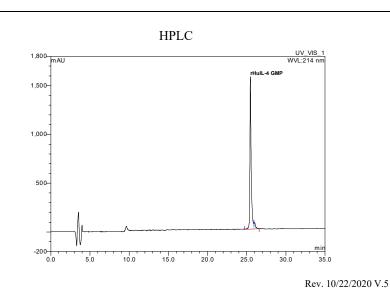
Recombinant Human Interleukin-4 GMP (rHuIL-4 GMP)

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: | 5µg/100µg/1mg |
| AA Sequence: | HKCDITLQEI IKTLNSLTEQ KTLCTELTVT DIFAASKNTT EKETFCRAAT VLRQFYSHHE |
| | KDTRCLGATA QQFHRHKQLI RFLKRLDRNL WGLAGLNSCP VKEANQSTLE NFLERLKTIM |
| | REKYSKCSS |
| Purity: | > 98 % by SDS-PAGE analyses. > 95 % by 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 $	imes$ |
| | 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/ μ g 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 \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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