

Recombinant Human Interleukin-1 alpha GMP (rHuIL-1 α GMP)

PrimeGene Technical Data Sheet

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| Catalog Number: | GMP-101-01A |
| Source: | <i>Escherichia coli</i> . |
| Molecular Weight: | Approximately 18.0 kDa, a single non-glycosylated polypeptide chain containing 159 amino acids. |
| Quantity: | 5 μ g/100 μ g/1mg |
| AA Sequence: | SAPFSFLSNV KYNFMRIKY EFILNDALNQ SIIRANDQYL TAAALHNLDE AVKFDMGAYK SSKDDAKITV ILRISKTQLY VTAQDEDQPV LLKEMPEIPK TITGSETNLL FFWETHGTKN YFTSVAHPNL FIATKQDYWV CLAGGPPSIT DFQILENQA |
| 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 D10S cells is less than 1.0 pg/ml, corresponding to a specific activity of > 1.0 \times 10 ⁹ IU/mg. |
| Physical Appearance: | Sterile Filtered White lyophilized (freeze-dried) powder. |
| Formulation: | Lyophilized from a 0.2 μ m filtered concentrated solution in 25 mM Tris-HCl, pH8.0. |
| Endotoxin: | Less than 0.01 EU/ μ g of rHuIL-1 α 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. <ul style="list-style-type: none">● 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. |

