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| Catalog Number: | GMP-101-15 |
| Source: | <i>Escherichia coli</i> . |
| Molecular Weight: | Approximately 12.9 kDa, a single non-glycosylated polypeptide chain containing 114 amino acids. |
| Quantity: | 5µg/100µg/1mg |
| AA Sequence: | NWVNVISDLK KIEDLIQSMH IDATLYTESD VHPSCCKVTAM KCFLELQVI SLESGDASIH DTVENLIILA NNSLSSNGNV TESCCKECEE 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 ED ₅₀ for this effect is 0.300-2.60 ng/mL. The specific activity of recombinant human IL-15 is $\geq 1.50 \times 10^8$ 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: | Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. |
| Endotoxin: | Less than 0.01 EU/µg 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 ≤ -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 ≤ -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. |

