PrimeGene a biotechne brand

Recombinant Human Interleukin-15 GMP (rHuIL-15 GMP)

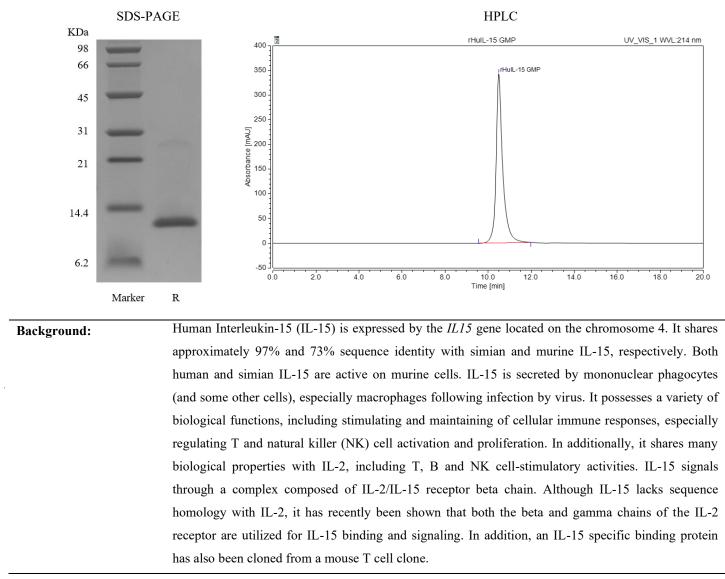
PrimeGene Technical DataSheet

| | Catalog Number: | GMP-101-15 |
|--|-----------------------------|--|
| | Source: | Escherichia coli |
| | Molecular Weight: | Approximately 12.9 kDa, a single non-glycosylated polypeptide chain containing 114 amino acids. |
| | Size: | 5 µg/100 µg/1 mg |
| | Sequence: | NWVNVISDLK KIEDLIQSMH IDATLYTESD VHPSCKVTAM KCFLLELQVI SLESGDASIH |
| | • | DTVENLIILA NNSLSSNGNV TESGCKECEE 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} |
| | с . | for this effect is 0.30-2.60 ng/mL. The specific activity of recombinant human IL-15 is > 1.50×10^8 |
| | | Units/mg, which is calibrated against rHuIL-15 WHO reference reagent (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/ μ g of rHuIL-15 GMP as determined by LAL method. |
| | Sterility: | Negative. |
| | Mycoplasma: | Negative. |
| | Host Cell Protein: | Less than 0.05% when tested by ELISA. |
| | Host Cell DNA: | Less than 20 ng/mg when tested by qPCR. |
| | In Vitro Virus Assay: | Negative. |
| | Reconstitution: | Prior to opening, it is recommended to centrifuge the vial briefly to bring the contents down the |
| | | bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a |
| | | concentration of 0.1-1.0 mg/mL. If animal-origin-free condition is expected in your product, then |
| | | sterile distilled water is recommended. 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 with polar packs. 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 from date of receipt, when stored at \leq -20 °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. |
| | | • Refer to lot-specific CoA for the Expiry Date. |
| | Usage: | This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory, or further |
| | | evaluation purposes. NOT FOR HUMAN USE. |
| | Quality Statement: | The manufacturing and testing of these products comply with ICH Q7 guidelines. |
| | | |

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