



## *Recombinant Human Interleukin 15* **rHuIL-15**

**Catalog number: HZ-6522**

**Lot: CHI-121407**

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### *Specifications and Use*

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|----------------------------|---|
| <b>Source</b>              | ● <i>Escherichia coli</i> .   |
| <b>Molecular Mass</b>      | ● 13.2kDa   |
| <b>Purity</b>              | ● Greater than 98% by SDS-PAGE analyses.  |
| <b>Biological Activity</b> | ● Measured in a cell proliferation assay using CTLL-2 cells, the specific activity shall be not less than $2 \times 10^6$ units/mg.   |
| <b>Endotoxin Level</b>     | ● Less than 1EU/ $\mu$ g.   |
| <b>Formulation</b>         | ● Sterile filtered lyophilized (freeze-dried) powder  |
| <b>Solubility</b>          | ● It is recommended to reconstitute the lyophilized rHuIL-15 in sterile ddH <sub>2</sub> O containing at least 0.1% human serum albumin or bovine serum albumin to prepare a stock solution of no less than 1mg/ml of the cytokine. |
| <b>Stability</b>           | ● The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C.<br>● Reconstituted human IL-15 should be stored in working aliquots at -20°C   |
| <b>Usage</b>               | ● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.   |

### ***Human Interleukin 15***

IL-15 is an immunomodulating cytokine that stimulates the proliferation of T lymphocytes and shares many biological properties with IL-2. IL-15 exerts its biological activities primarily on T cells. It is also essential in the development, survival and activation of NK cells. Increased expression of IL-15 has been implicated with rheumatoid arthritis, inflammatory bowel disease and diseases affiliated with retroviruses HIV and HTLV-I. Human IL-15 is biologically active on mouse cells as measured by the dose-dependent stimulation of the proliferation of mouse CTLL cells. Recombinant human IL-15 is a 13.2 kDa protein consisting of the following 114 amino acid residues.

#### **Protein Sequence:**

NWVNVISDLKKIEDLIQSMHIDATLYTESDVHPSCKVTAMKCFLELQVISLESGDASIHDTVENLIILANNSLSSNGNVTESGCKECEELEEKNIKEFLQSFVHIVQMFINTS