



SHANGHAI GENOMICS

## Recombinant Human Interleukin 15

**rHuIL-15**

Catalog number: SG3110-45

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### *Specifications and Use*

- Source** ● *Escherichia coli*.
- Molecular Mass** ● 13.2kDa
- Purity** ● Greater than 98% by SDS-PAGE analyses.
- Biological Activity** ● Measured in a cell proliferation assay using CTLL-2 cells, the specific activity shall be not less than  $2 \times 10^6$  units/mg.
- Endotoxin Level** ● Less than 1EU/ $\mu$ g.
- Formulation** ● Sterile filtered lyophilized (freeze-dried) powder
- Solubility** ● 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.
- Stability** ● The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20 °C .  
● Reconstituted human IL-15 should be stored in working aliquots at -20 °C .  
● Avoid repeated freeze-thaw cycles.
- Usage** 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.