

## Active Recombinant Human IL15 Protein, Animal Free

Cat. No. IL15-26H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IL15 Protein without tag was expressed in Human cells.<br>Animal Free and Xeno Free                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Interleukin-15 (IL-15) is a T-cells growth factor, together with G-CSF, GM-CSF, IL-2, IL-4, IL-7, and IL-9, IL-15 belongs to the four $\alpha$ -helix bundle family of cytokine. IL-15 stimulates cell proliferation and activation of natural killer (NK) cells and T cells. CD8+ memory T cell number is controlled by a balance between IL-15 and IL-2. It plays an important role in both innate and adaptive immunity system. |
| <b>Bio-activity</b>     | The activity was measured by its ability to stimulate the proliferation of CTLL-2 cells cells.                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 14-15 kDa                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Endotoxin</b>        | <0.5 EU/ $\mu$ g                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | High Purity, >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Stability</b>        | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80                                                                                                                                                                                  |

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**Storage Buffer** Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

**Reconstitution** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

## GENE INFORMATION

**Gene Name** IL15 interleukin 15 [ Homo sapiens (human) ]

**Official Symbol** IL15

**Synonyms** IL15; interleukin 15; interleukin-15; IL 15; MGC9721; IL-15;

**Gene ID** 3600

**mRNA Refseq** NM\_000585

**Protein Refseq** NP\_000576

**MIM** 600554

**UniProt ID** P40933

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