
Human IL-15 Recombinant Protein


Catalog Number: 14-8159

Also Known As: Interleukin-15, IL15

RUO: For Research Use Only

Product Information

Contents: Human IL-15 Recombinant Protein

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Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in a sterile environment

Source: E. coli expressed amino acids asn 23-ser 136 of mature human IL-15 (accession # U14407).

Molecular Mass: The protein does not contain an N-terminal methionine. The polypeptide has a predicted molecular mass of 12,774. The DTT reduced protein migrates as an 11 kDa polypeptide. The nonreduced protein migrates as an 11 kDa protein on non-reducing SDS-PAGE.

Purity: Greater than 98%, as determined by SDS-PAGE


Endotoxin Level: Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Bioactivity: Measured by mouse CTLL2 cell proliferation assay. The ED₅₀ is 0.10 ng/ml, corresponding to a specific activity of 1.0 x 10⁷ Units/mg.

Formulation: Sterile liquid; phosphate buffered saline, pH 7.2, 1.0% BSA. 0.22 µm filtered.

 Temperature Limitation: Store at less than or equal to -70°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

Description

Human IL-15 is a ~15 kDa factor with its mRNA found in a wide variety of cells including peripheral blood mononuclear cells (PBMC), placenta, skeletal muscle, kidney, lung, liver and heart. It is produced most abundantly by epithelial cells and monocytes. IL-15 shares many biological properties with IL-2 including stimulation of CTLL proliferation, and *in vitro* generation of alloantigen-specific cytotoxic T cells and non-antigen specific lymphokine activated killer (LAK) cells.

Applications Reported

Recombinant human IL-15 is biologically active.

Applications Tested

This recombinant human IL-15 has been tested in bioassays with an ED₅₀ of 0.10 ng/ml, corresponding to a specific activity of approximately 1x10⁷ Units/mg.

Related Products

14-7159 Anti-Human IL-15 Receptor Purified (eBioJM7A4)

88-7150 Mouse IL-15 ELISA Ready-SET-Go!® (See NEW Alternative Product: Mouse IL-15/IL-15R ELISA; cat. 88-7215)

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