

Product Information Sheet

Recombinant Human IL-15

Animal-Free manufactured

Catalog# AF-200-15

Source: *E.coli*

Description: 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 12.9 kDa protein consisting of 115 amino acid residues.

Synonyms: IL-T

Sequence: MNWVNVISDL KKIEDLIQSM HIDATLYTES DVHPSCKVTA MKCFLLLELQV ISLES GDASI HDTVENLIIL ANNSLSSNGN
VTESGCKECE ELEEKNIKEF LQSFVHIVQM FINTS

Authenticity: Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Purity: $\geq 98\%$ by SDS-PAGE gel and HPLC analyses.

Endotoxin: Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g).

Protein Content: Verified by UV Spectroscopy and/or SDS-PAGE gel.

Biological activity: Determined by its ability to stimulate the proliferation of mouse CTLL-2 cells. The expected ED_{50} is ≤ 0.5 ng/ml, corresponding to a specific activity of $\geq 2 \times 10^6$ units/mg.

For a list of references please visit our website at www.peprotech.com

Country of Origin: USA

Lot-specific information is not available on Product Information Sheet.
See Certificate of Analysis for details.

Usage: For Research Use Only. Not for use in diagnostic or therapeutic procedures.

Storage/Stability:

Product Form	Temperature	Storage Time
Lyophilized	-20°C to -80°C	See expiration date
Lyophilized	4°C	6 months
Lyophilized	RT	1 month
Diluted as per CoA	-20°C to -80°C	9 months
Diluted as per CoA	2°C to 8°C	1 week
**Avoid repeated freeze-thaw cycles.		