

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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DATA SHEET

GFH86

Recombinant Human IL-15

Description

Interleukin-15 (IL-15) is a widely expressed proinflammatory cytokine that is structurally and functionally related to interleukin-2 (IL-2). IL-15 signals through JAK kinases to activate STAT3, STAT5, and STAT6 transcription factors. IL-15 regulates the activation of T cells, neutrophils, and macrophages, and is a stimulatory cytokine promoting dendritic cell function. IL-15 expression is dysregulated in chronic inflammatory disorders, including rheumatoid arthritis, psoriasis, and pulmonary inflammatory diseases. Human IL-15 shows activity on mouse cells.

Length115 aaMolecular Weight12.9 kDaSourceE. coliAccession NumberP40933

Purity ≥95% determined by reducing and non-reducing SDS-PAGE

Specifications

Alternative Names Interleukin-15, interleukin 15, IL15, IL 15

Biological Activity Human IL-15 is fully biologically active when compared to standard. The activity is determined by the ability to

induce CTLL-2 cells proliferation and it is typically less than 5 ng/ml. This corresponds to an expected specific

activity of 2 x 105 units/mg.

Endotoxin Level ≤1.00 EU/µg as measured by kinetic LAL

Formulation Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM Sodium Bicarbonate, pH 8.0

AA Sequence MNWVNVISDL KKIEDLIQSM HIDATLYTES DVHPSCKVTA MKCFLLELQV ISLESGDASI

HDTVENLIIL ANNSLSSNGN VTESGCKECE ELEEKNIKEF LQSFVHIVQM FINTS

Preparation and Storage

Reconstitution Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the

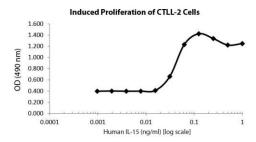
vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile 10 mM HCI at 0.1 mg/ml, which can be further diluted into other aqueous solutions.

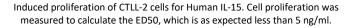
Stability and Storage 12 months from date of receipt when stored at -20°C to -80°C as supplied.

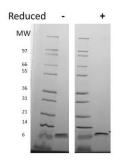
1 month when stored at 4°C after reconstituting as directed.

3 months when stored at -20°C to -80°C after reconstituting as directed.

Data







Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 µg of protein was loaded in each lane.

Human IL-15 has a predicted Mw of 12.9 kDa.