

Human IL-15

Synonyms: IL-15, MGC9721.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1555.950.002		
10 µg	1555.950.010		
50 µg	1555.950.050		
100 µg	1555.950.100		
1 mg	1555.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Interleukin-15 Human Recombinant produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 114 amino acids and having a molecular mass of 12.9kDa.

- **Biological Activity** $\geq 2 \times 10^6$ IU/mg
- **Source** *E. Coli*
- **Purity** $\geq 97\%$ (SDS-PAGE, RP-HPLC)
- **Endotoxin level** $\leq 0.1\text{ng}/\mu\text{g}$ ($\leq 1\text{EU}/\mu\text{g}$)
- **Buffer** The protein was lyophilized from PBS pH 7.4*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ as determined by the dose-dependant stimulation of the proliferation of mouse CTLL-2 was found to be < 0.5 ng/ml, corresponding to a Specific Activity of 2×10^6 IU/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized Interleukin-15 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL15 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MNWNVISDL KKIEDLIQSM HIDATLYTES DVHPSCKVTA MKCFLLLELQV ISLESGDASI HDTVENLIIL
ANNSLSSNGN VTESGCKECE ELEEKNIKEF LQSFVHIVQM FINTS

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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