

## Interleukin-15 (IL-15), Murine Recombinant

<b>CATALOG #:</b>	4171-10	10 µg
	4171-1000	1 mg
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	≥ 98% by SDS-PAGE and HPLC analysis Endotoxin level is <0.1 ng per µg.	
<b>MOL. WEIGHT:</b>	13.3 kDa	
<b>FORMULATION:</b>	Sterile filtered using 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 8.0	

**RECONSTITUTION:**

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.5-1.0 mg/ml. The solution can then be diluted into other aqueous buffers containing a carrier protein or stabilizer (i.e 0.1% BSA). Store at -20 °C to -80 °C.

**STORAGE CONDITIONS:**

The lyophilized murine IL-15 is best-stored desiccated below 0 °C. Reconstituted IL-15 should be stored at working aliquots at -20 °C. Avoid freeze/thaw cycles.

**DESCRIPTION:**

IL-15 is a potent lymphoid cell growth factor that exerts its biological activities primarily on T cells. Recombinant murine IL-15 is a 13.3 kDa protein containing 115 amino acid residues.

**BIOLOGICAL ACTIVITY:**

The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of mouse CTLL-2 cells is ≤ 5 ng/ml, corresponding to a specific activity of ≥ 2 x 10<sup>5</sup> units/mg.

**AMINO ACID SEQUENCE:**

MNWDVRYDL EKIESLIQSI HDTTLYTDS DFHPSCKVTA MNCFLLELQV ILHEYSNMTL  
NETVRNVLYL ANSTLSSNKN VAESGCKECE ELEEKTFTEF LQSFIRIVQM FINTS



**SDS-PAGE (4-20%) of Murine IL-15:** 1 µg of murine IL-15 loaded under reducing conditions and stained with Coomassie Blue. Murine IL-15 has a predicted MW of 13.3 kDa.

**RELATED PRODUCTS:**

- IL-15, human recombinant (**Cat # 4170-10, -50, -1000**)
- IL-15, rat recombinant (**Cat # 4172-10, -1000**)
- IL-15, Human CellExp™, human recombinant (**Cat # 7273-10**)
- IL-15 (human) ELISA Kit (**Cat # K4739-100**)
- IL-15 Antibody (**Cat # 5170-100**)
- IL-15 Antibody (**Cat # 5171-100**)
- IL-15 Antibody (**Cat # 5172-100**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**