



Recombinant Mouse IL-15

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	M10-022S
Size:	2 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	16168
Synonyms:	Il15; IL-15; AI503618

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 murine IL-15 is a 13.3 kDa protein consisting of 115 amino acid residues.

Sequence

```
MNWIDVRYDL EKIESLIQSI HIDTTLYTDS DFHPSCKVTA  
MNCFLLELQV ILHEYSNMTL NETVRNVLYL ANSTLSSNKN  
VAESGCKECE ELEKTFTEF LQSFIRIVQM FINTS
```

Database References

Protein RefSeq:	NP_032383.1
Uniprot ID:	P48346
mRNA RefSeq:	NM_008357

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	115
MW:	13.3 kDa

Biological Activity: The ED50 was determined by the stimulation of the proliferation of murine CTLL-2 cells is < 5.0 ng/ml, corresponding to a specific activity of > 2 x 10⁵ units/mg.



AVOID REPEATED FREEZE AND THAW CYCLES!