

## PRODUCT INFORMATION SUMMARY

### Rat IL-7

Purified Factor	Product Number	RC333133B	10.0 ug
		RC333133A	2.0 ug

#### DESCRIPTION:

Rat Interleukin-7 (IL-7), a growth factor which affects primarily early T and B cells. IL-7 can also stimulate mature T cells in cooperation with other cytokines such as IL-2. Produced by thymic stromal cells, keratinocytes and spleen cells, Rat IL-7 has molecular weight of 15.0 kDa, with 130 aa. residues.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug Rat IL 7

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**  
Specific activity of  $5 \times 10^6$  units/mg ( 50% endpoint) , as determined by dose dependent stimulation of mouse 2E8 cell proliferation at 0.2 ng/mL.

#### HANDLING AND STORAGE:

Purified Rat IL-7 factor is provided lyophilized. Store lyophilized, at -20° C. Upon **reconstitution** distilled water to concentration of 100 ug/mL, dilute in PBS or other buffered solutions. Store small aliquots at -20 ° C, with addition of 0.1% BSA, for long-term storage - up to 3 months, at high concentration.

**Before opening vial to reconstitute,** it is recommended to microcentrifuge vial for 30 seconds - this will help recovery of full contents that may have adhered to surfaces of vial during lyophilization.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**