

RECOMBINANT INTERLEUKIN-15

CATALOG NUMBER:	IL013	QUANTITY:	10 µg
LOT NUMBER:			
DESCRIPTION:	Interleukin-15 (IL-15) is a potent lymphoid cell growth factor that exerts its biological activities primarily on T-cells. Human IL-15 is a 12.9 kDa protein containing 114 amino acid residues.		
SOURCE:	Human IL-15 expressed in <i>E. coli</i>		
PURITY:	Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin level is less than 0.1 ng per µg of IL-15.		
ACTIVITY:	Human IL-15 is fully biologically active when compared to standards. The ED ₅₀ as determined by the dose-dependent proliferation of CTLL-2 cells was found to be ≤ 0.5 ng/mL, corresponding to a specific activity of ≥ 2 x 10 ⁶ units/mg.		
APPLICATIONS:	For most <i>in vitro</i> applications, IL-15 exerts its biological activity in the concentration range of 0.1 to 10 ng/mL. Responding cells are (partial list): T-cells, NK cells, LAK cells.		
PRESENTATION:	Protein lyophilized from 10 mM Sodium Phosphate, pH 8.5.		
STORAGE/HANDLING:	The lyophilized powder, though stable at room temperature, is best stored at -20°C. Reconstitute in water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use. Reconstituted IL-15 should be stored in working aliquots at -20°C. Avoid repeated freeze/thaw cycles.		

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, *in vitro* diagnostic uses, *ex vivo* or *in vivo* therapeutic uses or any type of consumption or application to humans or animals.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*