

Recombinant Human Interleukin-15 (IL-15)








Publication Part Number MAN0003706







Revision Date 16 May 2011

Catalog Number:	PHC9154	PHC9151	PHC9153
Quantity:	10 µg	100 µg	1 mg
Lot Number:	See product label.		
Molecular Weight:	13.2 kDa (114 amino acid residues)		
Purity:	≥ 95% as determined by SDS-PAGE analysis.		
Biological Activity:	Specific Activity is $>2 \times 10^6$ units/mg. The biological activity was determined by measuring the dose-dependent proliferation of mouse CTLL-2 cells. The optimal concentration for each specific application should be determined empirically by an initial dose-response assay. IL-15 stimulates the proliferation of T cells, and also involved in activation of NK cells, neutrophils, and macrophages.		
Formulation:	Lyophilized		
Sterility:	Filtered prior to lyophilization.		
Endotoxin:	< 1 EU/µg		
Production:	Recombinant human IL-15 is produced in <i>E. coli</i> and purified by sequential chromatography.		
Reconstitution Recommendation:	We recommend reconstituting the lyophilized protein in sterile double distilled water containing at least 0.1% human serum albumin or bovine serum albumin to prepare a stock solution of ≥ 1 mg/mL of the protein. The reconstituted protein should be apportioned into working aliquots and stored at $\leq -20^\circ\text{C}$.		
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.		
Storage:	The lyophilized protein is stable for a few weeks at room temperature, but is best stored at -20°C . Reconstituted human IL-15 should be stored at $\leq -20^\circ\text{C}$ (not in a frost-free freezer). Keep freeze-thaw cycles to a minimum.		
Expiration Date:	See product label.		
References:	<p>Alpdogan, O, and van der Brink, M.R. (2005) IL-7 and IL-15: therapeutic cytokines for immunodeficiency. Trends Immunol. 26(1):56-64. (review)</p> <p>McInnes, I.B. and Gracie, J.A. (2004) Interleukin-15: a new target for the treatment of inflammatory disease. Curr. Opin. Pharmacol. 4(4):392-397. (review)</p>		

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

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For Research Use Only. Caution: Not for human or animal therapeutic or diagnostic use.

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