

Recombinant Human Interleukin-31 (IL-31)

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Rev. 1.00

Catalog Number:	PHC0314
Quantity:	10 µg
Lot Number:	See product label.
Molecular Weight:	15.8 kDa, 141 amino acid residues.
Purity:	>98% by SDS PAGE and HPLC analyses.
Biological Activity:	To be determined.
Formulation:	Lyophilized from 10 mM sodium phosphate, pH 7.5. Sterile filtered through a 0.2 micron filter prior to lyophilization.
Endotoxin:	<0.1 ng/µg
Production:	Produced in <i>E. coli</i> and purified by sequential chromatography.
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile, distilled water, to a concentration of 0.1–1.0 mg/mL. Dilutions should be made in buffered solutions.
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.
Storage:	This lyophilized preparation is stable at 2°C to 8°C, but should be kept at –20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2°C to 8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at –20°C. Avoid repeated freeze/thaw cycles.
Expiration Date:	Expires one year from date of receipt when stored as instructed.
References:	Dillon, S.R., et al. (2004) Interleukin 31, a cytokine produced by activated T cells, induces dermatitis in mice. <i>Nat. Immunol.</i> 5(7):752–760. Diveu, C., et al. (2004) Predominant expression of the long isoform of GP130-like (GPL) receptor is required for interleukin-31 signaling. <i>Eur. Cytokine Netw.</i> 15(14):291–302. Chattopadhyay, S., et al. (2007) Interleukin-31 and oncostatin-m mediate distinct signaling reactions and response patterns in lung epithelial cells. <i>J. Biol. Chem.</i> 282(5):3014–3026.

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

Limited Use Label License: Research Use Only

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

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