

Recombinant Human Thrombopoietin

Publication Part Number MAN0004584

Rev. 1.00

Catalog Number:	PHC9514	PHC9511	PHC9513
Quantity:	10 µg	100 µg	1 mg
Lot Number:	See product label.		
Molecular Weight:	80–85 kDa, glycosylated.		
Purity:	> 90% as determined by SDS-PAGE analysis.		
Biological Activity:	ED ₅₀ range = 0.5–5 ng/mL, determined by the dose dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).		
Formulation:	Lyophilized in PBS, carrier free.		
Sterility:	Filtered prior to lyophilization through a 0.22 micron filter.		
Endotoxin:	< 1 EU/µg		
Production:	Recombinant human Thrombopoietin is expressed in a human cell expression system and purified via sequential chromatography.		
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute lyophilized recombinant human Thrombopoietin in PBS containing 0.1% human serum albumin. Further dilutions should be made in low endotoxin medium or a buffered solution containing a carrier protein such as heat inactivated FCS or tissue culture grade BSA.		
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.		
Storage:	Store this lyophilized preparation at ≤ -20°C, preferably desiccated. Upon reconstitution, apportion 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:	Kitamura, T., T. Terasawa, S. Chiba, T. Kuwaki, K. Miyagawa, Y.F. Piao, K. Miyazono, A. Urabe, and F. Takaku (1989) Establishment and characterization of a unique human cell line that proliferates dependently on GF-CSF, IL-3 or erythropoietin. J. Cell Physiol. 140:323–334.		

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.

Manufactured under ISO 13485 Quality Standard

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

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