

Recombinant Human Insulin-like Growth Factor Binding Protein - 4 (IGFBP-4)

Publication Number MAN0004562

Revision Date 19 May 2011

Catalog Number:	PHC9614	PHC9611
Quantity:	10 µg	100 µg
Lot Number:	See product label.	
Molecular Weight:	26.0 kDa, but apparent molecular weight 27 kDa by SDS-PAGE.	
Purity:	≥95% as determined by SDS-PAGE analysis.	
Biological Activity:	ED ₅₀ range ≤0.2 µg/mL, determined by the dose-dependent inhibition of MCF-7 cell proliferation in the presence of 14 ng/mL IGF2.	
Endotoxin:	<1 EU/µg	
Production:	Expressed from 293 HEK cells and purified via sequential chromatography.	
Reconstitution Recommendation:	We recommend that the vial be briefly centrifuged to bring the contents to the bottom prior to opening. Lyophilized recombinant human IGFBP-4 should be reconstituted in sterile PBS to 0.1–1.0 mg/mL to regain full activity. These stock solutions should be apportioned into working aliquots and stored at ≤ –20°C. Further dilutions should be made in medium or buffered solution containing carrier protein, such as PBS with 0.1% BSA.	
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.	
Storage:	Lyophilized human IGFBP-4 should be stored at 2–8°C, preferably desiccated. Store reconstituted human IGFBP-4 at ≤ –20°C (not in a frost-free freezer). Keep freeze-thaw cycles to a minimum.	
Expiration Date:	Expires one year from date of receipt when stored as instructed.	

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.

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

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