

Recombinant Human Interleukin-28A (IL-28A)








Publication Part Number MAN0004451







Revision Date 19 May 2011

Catalog Number:	PHC0284
Quantity:	10 µg
Lot Number:	See product label.
Molecular Weight:	24 kDa, monomer, non-glycosylated.
Purity:	>95% as determined by SDS-PAGE analysis.
Biological Activity:	ED ₅₀ range = 0.5–5 ng/mL, determined by the dose dependent protection of the cytopathic effect on A549 cells (human lung adenocarcinoma epithelial cell line) that were challenged with encephalomyocarditis (EMC) virus.
Formulation:	Lyophilized in PBS.
Sterility:	Filtered prior to lyophilization through a 0.2-micron filter.
Endotoxin:	<1 EU/µg
Production:	Recombinant human Interleukin-28A (IL-28A) is expressed in 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 Interleukin-28A in sterile 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:	Sheppard P, Kindsvogel W, Xu W, Henderson K, Schlutsmeyer S, Whitmore TE, Kuestner R, Garrigues U, Birks C, Roraback J, Ostrander C, Dong D, Shin J, Presnell S, Fox B, Haldeman B, Cooper E, Taft D, Gilbert T, Grant FJ, Tackett M, Krivan W, McKnight G, Clegg C, Foster D, Klucher KM.. (2003) IL-28, IL-29 and their class II cytokine receptor IL-28R. <i>Nat Immunol.</i> 2003 Jan;4(1):63-8. Meager A, Visvalingam K, Dilger P, Bryan D, Wadhwa M. (2005) Biological activity of interleukins-28 and -29: comparison with type I interferons. <i>Cytokine.</i> 2005 Jul 21;31(2):109-18.

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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