

Recombinant Human Activin A








Publication Number MAN0004258

Revision: 2.00

Catalog Number:	PHC9564	PHC9561	PHC9563
Quantity:	10 µg	100 µg	1mg
Lot Number:	See product label.		
Molecular Weight:	25 kDa, homo dimer, 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 inhibition of proliferation of the MPC-11 cell line (mouse plasmacytoma cell line).		
Formulation:	Sterile filtered through a 0.2 micron filter. Lyophilized with PBS.		
Sterility:	Filtered prior to lyophilization through a 0.22 micron filter.		
Endotoxin:	<1 EU/µg		
Production:	Recombinant human Activin A 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 Activin A 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:	Philips, D.J., J.N. Brauman, A.J. Mason, D.M. de Kretser and M.P. Hedger (1999) A sensitive and specific in vitro bioassay for Activin using a mouse plasmacytoma cell line, MPC-11. <i>Journal of Endocrinology</i> 162:111–116. McDowall, M., N.M. Edwards, C.A. Jahoda, and P.I. Hynd (2008) the role of activins and follistatins in skin and hair follicle development and function. <i>Cytokine Growth Factor Rev.</i> 19:415–426.		

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description	Symbol	Description
	Manufacturer		Catalog number
	Use by		Temperature limitation
	Consult instructions for use		Caution, consult accompanying documents
	Batch code		

Limited Use Label License: Research Use Only

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Revision Date: 23 APR 2013

