

Recombinant Human Epidermal Growth Factor (Hu EGF)








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

Revision Date 28 April 2011

Catalog Number:	PHG0314	PHG0315	PHG0311	PHG0313
Quantity:	10 µg	25 µg	100 µg	1 mg
Lot Number:	See product label.			
Molecular Weight:	6.2 kDa			
Purity:	>95% as determined by SDS-PAGE analysis.			
Biological Activity:	ED ₅₀ range = 0.1–0.4 ng/mL, determined by the dose dependent proliferation of mouse BALB/3T3 cells. Optimal concentration for individual application should be determined by a dose response assay.			
Formulation:	Lyophilized, carrier free.			
Sterility:	Filtered prior to lyophilization through a 0.22 micron sterile filter.			
Endotoxin:	< 0.1 ng/µg			
Production:	Recombinant human EGF is produced in <i>E. coli</i> 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 EGF in sterile, PBS buffer to a concentration of 0.1–1.0 mg/mL. 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 lyophilized recombinant human EGF at 2°C to 8°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:	<p>Gregory, H. (1975) Isolation and structure of urogastrone and its relationship to epidermal growth factor. <i>Nature</i> 257(5524):325–327.</p> <p>Ediger, T.L. and M.L. Toews (2000) Synergistic stimulation of airway smooth muscle cell mitogenesis. <i>J. Pharmacol. Exp. Therapeut.</i> 294:1076–1082.</p> <p>French, J.D., R.C. Tschumper, and D.F. Jelinek (2002) Analysis of IL-6-mediated growth control of myeloma cells using a gp130 chimeric receptor approach. <i>Leukemia</i> 16(6):1189–1196.</p> <p>French, J.D., D.K. Walters, and D.F. Jelinek (2003) Transactivation of gp130 in myeloma cells. <i>J. Immunol.</i> 170(7):3717–3723.</p> <p>Liesveld, J.L., K. Rosell, N. Panoskaltis, T. Belanger, A. Harbol, and C.N. Abboud (2001) Response of human CD34(+) cells to CXC, CC, and CX3C chemokines: Implications for cell migration and activation. <i>J. Hematotherapy and Stem Cell Research</i> 10(5):643–655.</p> <p>Stephens, J.M., S.J. Lumpkin, and J.B. Fishman (1998) Activation of signal transducers and activators of transcription 1 and 3 by leukemia inhibitory factor, oncostatin-M, and interferon-gamma in adipocytes. <i>J. Biol. Chem.</i> 273(47):31,408–31,416.</p>			

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

The purchase of this product conveys to the purchaser the limited, non-transferable right to use the purchased amount of the product only to perform internal research for the sole benefit of the purchaser. No right to resell this product or any of its components is conveyed expressly, by implication, or by estoppel. This product is for internal research purposes only and is not for use in commercial applications of any kind, including, without limitation, quality control and commercial services such as reporting the results of purchaser's activities for a fee or other form of consideration. For information on obtaining additional rights, please contact outlicensing@lifetech.com or Out Licensing, Life Technologies, 5791 Van Allen Way, Carlsbad, California 92008.

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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