

# Recombinant Human Connective Tissue Growth Factor (CTGF)








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<b>Catalog Number:</b>	PHG0286
<b>Quantity:</b>	20 µg
<b>Lot Number:</b>	See product label.
<b>Molecular Weight:</b>	11.0 kDa, 97 amino acid residues.
<b>Purity:</b>	≥95% by SDS PAGE and HPLC analyses.
<b>Biological Activity:</b>	ED <sub>50</sub> = 1.0 to 2.0 µg/mL, determined by the dose dependent proliferation of HUVEC cells.
<b>Formulation:</b>	Lyophilized from 10 mM sodium acetate, pH 6.0. Filtered through a 0.2 micron filter prior to lyophilization.
<b>Endotoxin:</b>	<0.1 ng/µg
<b>Production:</b>	Produced in <i>E. coli</i> and purified by sequential chromatography.
<b>Reconstitution Recommendation:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile, distilled water, to a concentration of 0.1–1.0 mg/mL. <i>Do not vortex</i> . This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA and store in working aliquots at –20°C to –80°C.
<b>Suggested Working Dilutions:</b>	The optimal concentration should be determined for each specific application.
<b>Storage:</b>	The lyophilized protein is stable at room temperature for 1 month, but should be kept at –20°C for long term storage, preferably desiccated. Working aliquots stored with a carrier protein are stable for at least 10 months at –20°C to –80°C. Avoid repeated freeze/thaw cycles.
<b>Expiration Date:</b>	See product label.
<b>References:</b>	<p>Bradham, D.M., et al. (1991) Connective tissue growth factor: a cysteine-rich mitogen secreted by human vascular endothelial cells is related to the SRC-induced immediate early gene product CEF-10. <i>J. Cell Biol.</i> 114(6):1285–1299.</p> <p>Igarashi, A., et al. (1992) Connective tissue growth factor. <i>J. Dermatology</i> 19(11):642–643.</p> <p>Igarashi, A., et al. (1993) Regulation of connective tissue growth factor gene expression in human skin fibroblasts and during wound repair. <i>Mol. Biol. Cell</i> 4(6):637–645.</p>

## 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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