

Recombinant Human TGF-β2 (Transforming Growth Factor-beta2)

Publication Number MAN0004188

Revision Date 29 April 2011

Catalog Number:	PHG9114
Quantity:	5 µg
Lot Number:	See product label.
Molecular Weight:	25.0 kDa, 112 amino acid residues.
Purity:	≥98% by SDS PAGE and HPLC analyses.
Biological Activity:	ED ₅₀ ≤0.2 ng/mL (≥5 × 10 ⁶ units/mg), determined by its ability to inhibit the mouse IL-4 dependent proliferation of mouse HT-2 cells. TGF-β2 has growth inhibitory action, and regulates the proliferation and differentiation of normal and transformed cells. Differential expression of TGF isoforms is observed in certain disease states. Human PC-3 prostatic carcinoma cell line and human glioblastoma cell lines predominantly secrete the TGF-β2 isoform over the other isoforms.
Formulation:	Lyophilized from sodium citrate buffer, pH 3.5. Filtered through a 0.2 micron filter prior to lyophilization.
Endotoxin:	<0.1 ng/µg
Production:	Produced in Baculovirus infected High-5 cells and purified by sequential chromatography.
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. This lyophilized protein should be reconstituted in sterile, distilled water to a concentration of 0.1–1 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.
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.
Storage:	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.
Expiration Date:	See product label.

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

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