

Recombinant Human FGF-16 (Fibroblast Growth Factor-16)

Publication Part Number MAN0004525

Rev. 1.00

Catalog Number:	PHG0214
Quantity:	25 µg
Lot Number:	See product label.
Molecular Weight:	23.7 kDa, 207 amino acid residues
Purity:	>95% by SDS PAGE and HPLC analyses.
Biological Activity:	ED ₅₀ ≤0.5 ng/mL (≤2 × 10 ⁶ units/mg), determined by the dose dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors. FGF-16 is a heparin binding growth factor that is expressed by brown adipocytes.
Formulation:	Lyophilized from 5 mM sodium phosphate, pH 7.2, with 25 mM sodium chloride. Sterile filtered prior to lyophilization.
Endotoxin:	<0.1 ng/µg
Production:	Produced in <i>E. coli</i> 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. Reconstitute in 0.5X phosphate buffered saline to a concentration of 0.1–1.0 mg/mL. Further dilutions should be made in aqueous buffers supplemented with carrier protein, such as 0.1–1.0% BSA.
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.
Storage:	This lyophilized preparation is stable at 2°C to 8°C, but should be kept at –20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2°C to 8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at –20°C. Avoid repeated freeze/thaw cycles.
Expiration Date:	See product label.
References:	Miyake, A. et al. (1998) Biochem. Biophys. Res. Commun. 243:148. Konishi, M. et al. (2000) J. Biol. Chem. 275:12119.

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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For Research Use Only. Caution: Not for human or animal therapeutic or diagnostic use.

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

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Revision Date 17 June 2011

