

Recombinant Human Fibroblast Growth Factor-acidic (FGF- α)

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Catalog Number:	PHG0014
Quantity:	10 μ g, lyophilized
Lot Number:	See product label.
Molecular Weight:	15.8 kDa, 140 amino acid residues.
Purity:	\geq 98% as determined by SDS-PAGE and HPLC analyses.
Biological Activity:	ED ₅₀ \leq 10 ng/mL (\geq 1 \times 10 ⁵ units/mg). Biological activity is determined by measuring the FGF- α dose dependent stimulation of ³ H-thymidine incorporation into BaF3 cell expressing FGF receptors. For most <i>in vitro</i> applications, a concentration range of 1.0–50 ng/mL is recommended. FGF- α is a heparin-binding protein which stimulates the proliferation of mesenchymal cells, neuroectodermal cells, and endothelial cells.
Formulation:	Lyophilized from 5 mM Sodium Phosphate, pH 8.0 with 100 mM NaCl. Filtered through a 0.2 micron filter prior to lyophilization.
Endotoxin:	<0.1 ng/ μ g
Production:	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 in 5 mM Sodium Phosphate, pH 8.0, to a concentration of less than 0.5 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.
Storage:	The lyophilized protein is stable at room temperature for 1 month, but should be kept at –20°C for long term storage. Working aliquots stored with a carrier protein are stable for at least 10 months at –80°C to –20°C. Avoid repeated freeze/thaw cycles.
Expiration Date:	See product label.
References:	Subramony, P. and S.E. Dryer (1997) Neuregulins stimulate the functional expression of Ca ²⁺ -activated K ⁺ channels in developing chicken parasymphathetic neurons. Proc. Nat'l. Acad. Sci. USA 94:5934–5938.

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.

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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