

# Recombinant Human Neurotrophin-4








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

Rev. 1.00

<b>Catalog Number:</b>	PHC7024
<b>Quantity:</b>	10 µg
<b>Lot Number:</b>	See product label.
<b>Size:</b>	Recombinant human NT-4 is a homodimer containing 260 amino acid residues. Each subunit is 14.0 kDa and contains 130 amino acid residues.
<b>Purity:</b>	≥98% pure as determined by SDS-PAGE and HPLC analysis.
<b>Biological Activity:</b>	A dose dependent induction of choline acetyl transferase activity in rat basal forebrain primary septal cultures by rhNT-4 was measured and the ED <sub>50</sub> was found to be in the range of 20–50 ng/mL.
<b>Formulation:</b>	Lyophilized with no additives. Filtered through a 0.2 micron filter prior to lyophilization.
<b>Production:</b>	Recombinant human neurotrophin 4 (rhNT-4) is produced in <i>E coli</i> and purified by sequential chromatography.
<b>Reconstitution Recommendation:</b>	We recommend that the vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute rhNT-4 in sterile distilled water at 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>Storage:</b>	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 3 months at –20°C to –80°C. Avoid repeated freeze/thaw cycles.
<b>Expiration Date:</b>	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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**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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