

# CNTF

Catalog # PVGS1490

## Product Information

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<b>Primary Accession Species</b>	<a href="#">P51642</a> Mouse
<b>Sequence</b>	Ala2-Met198
<b>Purity</b>	> 95% as analyzed by SDS-PAGE
<b>Endotoxin Level</b>	
<b>Biological Activity</b>	ED <sub>50</sub>
<b>Expression System</b>	E. coli
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O or PBS up to 100 µg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

## Additional Information

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<b>Gene ID</b>	12803
<b>Other Names</b>	Ciliary neurotrophic factor, CNTF, Cntf
<b>Target Background</b>	Ciliary Neurotrophic Factor (CNTF) is a polypeptide hormone which acts within the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. CNTF is a potent survival factor for neurons and oligodendrocytes and may play a role in reducing tissue damage during increased inflammation. A mutation in this gene, which results in aberrant splicing, leads to ciliary neurotrophic factor deficiency, however this phenotype is not causally related to neurologic disease.

## Protein Information

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<b>Name</b>	Cntf
<b>Function</b>	CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy.

<b>Cellular Location</b>	Cytoplasm.
<b>Tissue Location</b>	Nervous system.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.