

CNTF

Catalog # PVGS1490

Product Information

Primary Accession Species	P51642 Mouse
Sequence	Ala2-Met198
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	
Biological Activity	ED ₅₀
Expression System	E. coli
Formulation	Lyophilized after extensive dialysis against PBS
Reconstitution	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 ₂ O or PBS up to 100 µg/ml.
Storage & Stability	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

Gene ID	12803
Other Names	Ciliary neurotrophic factor, CNTF, Cntf
Target Background	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

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

Cellular Location	Cytoplasm.
Tissue Location	Nervous system.

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