

Active Recombinant Mouse Cntf Protein (Met1-Met198), C-His tagged, Animal-free, Carrier-free

Cat. No. Cntf-17M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cntf Protein (Met1-Met198) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Met198
Description	Ciliary Neurotrophic Factor (CNTF) is the member of IL-6 cytokine family and mainly expressed in the nervous system. Mouse CNTF shares 84% sequence homology with human CNTF. CNTF is 22.9 kDa neurotrophic factor containing 110 residues, which shows multiple effects in vertebrate retinogenesis. Besides, CNTF acts as a promoter that not only accelerates adult neurogenesis but also increases the survival of neuron after injury.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in TF-1 cells. The ED50 for this effect is < 10 ng/mL. The specific activity of recombinant mouse CNTF is > 1 × 10 ⁵ IU/mg.
Molecular Mass	The protein has a calculated MW of 23.40 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Cntf ciliary neurotrophic factor [Mus musculus (house mouse)]
Official Symbol	Cntf
Synonyms	CNTF; ciliary neurotrophic factor; AI429687; MGC41235;
Gene ID	12803
mRNA Refseq	NM_170786
Protein Refseq	NP_740756

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UniProt ID**P51642**

**SDS-PAGE analysis
of recombinant
mouse CNTF.**

kDa M

75

60

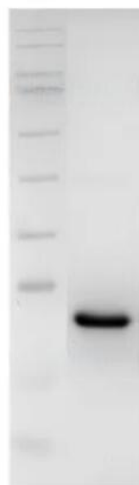
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