

Recombinant Mouse Cntf protein, His/S-tagged

Cat. No. Cntf-160M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cntf fused with His/S tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	The protein encoded by this gene is a polypeptide hormone whose actions appear to be restricted to the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. The protein is a potent survival factor for neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. In addition to the predominant monocistronic transcript originating from this locus, the gene is also transcribed as a readthrough transcript with the upstream Zfp91 gene. The resulting protein is an isoform of Zfp91 and does not include Cntf sequence. Readthrough transcription of Zfp91 and Cntf has been observed in human and mouse.
Form	Lyophilized from sterile PBS, pH 7.4
Purity	> 95 % as determined by SDS-PAGE
Storage	Store at -70 centigrade. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	Cntf ciliary neurotrophic factor [<i>Mus musculus</i>]
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Official Symbol	Cntf
Synonyms	CNTF; ciliary neurotrophic factor; AI429687; MGC41235;
Gene ID	12803
mRNA Refseq	NM_170786
Protein Refseq	NP_740756
UniProt ID	P51642
Chromosome Location	19 A; 19 8.73 cM
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;
Function	ciliary neurotrophic factor receptor binding; cytokine activity; growth factor activity; interleukin-6 receptor binding;

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