

Recombinant Rat Cntf protein, His/S-tagged

Cat. No. Cntf-159R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cntf fused with His/S tag was expressed in E. coli.
Species	Rat
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 [Rattus norvegicus]
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Official Symbol	Cntf
Synonyms	CNTF; ciliary neurotrophic factor; ciliary neurotropic factor;
Gene ID	25707
mRNA Refseq	NM_013166
Protein Refseq	NP_037298
UniProt ID	P20294
Chromosome Location	1q43
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; growth factor activity; interleukin-6 receptor binding; interleukin-6 receptor binding;