



CNTF Recombinant Protein

Cat. No.: 40-510



Ψ Specifications

SPECIES:	Rat
SOURCE SPECIES:	E. coli
SEQUENCE:	AFAEQTPLTL HRRDLCSRSI WLARKIRSDL TALMESYVKH QGLNKNINLD SVDGVPVAST DRWSEMTEAE RLQENLQAYR TFQGMLTKLL EDQRVHFTPT EGDHFHQAHT LMLQVSAFAY QLEELMVLE QKIPENEADG MPATVGDGGL FEKKLWGLKV LQELSQWTVR SIHDLRVISS HQMGISALES HYGAKDKQM
TESTED APPLICATIONS:	

Ψ Properties

PURITY:	Greater than 98% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The lyophilized CNTF recombinant protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted CNTF is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. As with any protein, exposing CNTF recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

OFFICIAL SYMBOL:	Cntf
ALTERNATE NAMES:	Ciliary neurotrophic factor, CNTF
ACCESSION NO.:	NP_037298.1
PROTEIN GI NO.:	6978675
GENE ID:	25707

Background and References

BACKGROUND:	CNTF is a potent neural factor that was originally characterized as a vital factor for the survival of chick ciliary neurons in vitro. CNTF is also important for the survival of other neural cell types including primary sensory neurons, motor neurons, basal forebrain neurons and type 2 astrocytes. CNTF is highly conserved across species and exhibits cross-species bioactivity. Recombinant rat CNTF is synthesized as a 199 amino acid polypeptide (22.7 kDa) lacking a hydrophobic N-terminal signal for secretion.
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