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CNTF Rat, His

Ciliary Neurotrophic Factor Rat Recombinant, His Tag
NTR0018

Product Overview

Name	CNTF Rat, His
Description	
Ciliary Neurotrophic Factor Rat Recombinant, His Tag	
Accession (Primary)	P21460
Synonyms	
Ciliary neurotrophic factor, CNTF, Cntf.	
Introduction	
CNTF 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. A mutation in this gene, which results in aberrant splicing, leads to ciliary neurotrophic factor deficiency, but this phenotype is not causally related to neurologic disease. In addition to the predominant monocistronic transcript originating from this locus, the gene is also co-transcribed with the upstream ZFP91 gene. Co-transcription from the two loci results in a transcript that contains a complete coding region for the zinc finger protein but lacks a complete coding region for ciliary neurotrophic factor. CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
CNTF protein solution (0.5mg/ml) containing phosphate buffered saline (pH 7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	

MGSSHHHHHH SSGLVPRGSH MGS MAFAEQT PLTLHRRDLC SRSIWLARKI RSDLTALMES YVKHQGLNKN INLDSVDGVP VASTDRWSEM TEAERLQENL QAYRTFQGML TKLLEDQRVH FTPTEGDFHQ AIHTLMLQVS AFAYQLEELM VLLEQKIPEN EADGMPATVG DGGLFEKKLW GLKVLQELSQ WTVRSIHDLR VISSHQMGIS ALESHYGAKD KQM.

Precautions

CNTF Rat, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P21460)