

Recombinant Human CNTFR Protein (Thr120-Leu358), His tagged

Cat. No. CNTFR-1753H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant human CNTFR (Thr120-Leu358) fused with His tag was expressed in E. coli.

Species

Human

Source

E.coli

ProteinLength

Thr120-Leu358

Description

Ciliary neurotrophic factor(CNTF) is a member of the cytokine family. It is a polypeptide hormone that have functions in promoting neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. It's actions appear to be restricted to the nervous system. Ciliary neurotrophic factor(CNTF) has biological effects through the activation of a multi-subunit receptor complex, consisting of an extracellular CNTF binding subunit(CNTF α) and two transmembrane signal transduction proteins: glycoprotein gp13 and LIF receptor. CNTF is considered as a potent survival factor of neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. CNTF is also a survival factor for neurons of the peripheral sensory sympathetic, and ciliary ganglia. It has been reported that CNTF could be an agent that has therapeutic potential and possibly induces differentiation of large multipolar ganglionic phenotype in a subset of progenitors.

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Form	Lyophilized powder/frozen liquid
Molecular Mass	26.99 kDa
Purity	>90% as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	CNTFR ciliary neurotrophic factor receptor [Homo sapiens (human)]
Official Symbol	CNTFR
Synonyms	CNTFR; ciliary neurotrophic factor receptor; ciliary neurotrophic factor receptor subunit alpha; CNTFR-alpha; CNTF receptor subunit alpha; MGC1774;
Gene ID	1271
mRNA Refseq	NM_001207011

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Protein Refseq	NP_001193940
MIM	118946
UniProt ID	P26992

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