

## Product datasheet for **TP724653**

### CNTF Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Ciliary Neurotrophic Factor/CNTF
Species:	Human
Expression cDNA Clone or AA Sequence:	A2-P187
Buffer:	Lyophilized from a 0.2 um filtered solution of 2umM Tris, 30umM NaCl, 0.5%CHAPS, 0.umM TCEP, 0.umM EDTA, pH8.0
Note:	Recombinant Human Ciliary Neurotrophic Factor is produced by E.coli. The target gene encoding A2-P187 is expressed.
Stability:	12 months from date of despatch
Locus ID:	1270
UniProt ID:	<a href="#">P26441</a>
Summary:	Ciliary neurotrophic factor (CNTF) is a polypeptide hormone that belongs to the cytokine family. CNTF facilitates neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. CNTF has biological effects through the activation of a multi-subunit receptor complex, consisting of an extracellular CNTF binding subunit (CNTF?) and two transmembrane signal transduction proteins: glycoprotein gp13 and LIF receptor. CNTF is shown as a potent survival factor of neurons and oligodendrocytes, associated with reducing tissue destruction during inflammatory attacks. Studies showed 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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