

CNTF Protein, Human (His)

Cat. No.:	HY-P72943
Synonyms:	Ciliary neurotrophic factor; CNTF
Species:	Human
Source:	E.coli
Accession:	P26441 (A2-M200)
Gene ID:	1270
Molecular Weight:	27-30 kDa

PROPERTIES

AA Sequence	<pre> A F T E H S P L T P H R R D L C S R S I W L A R K I R S D L T A L T E S Y V K D S A D G M P V A S T D Q W S E L T E H Q G L N K N I N L A E R L Q E N L Q A Y R T F H V L L A R L T L L L Q V A A F A Y Q I E E L M I L L E D Q Q V H F T P T E G D F H Q A I H L E Y K I P R N E A D R S I H D L R F I S S H Q T G I P A R G M P I N V G D G G L F E K K L W G L K V L Q E L S Q W T V G S H Y I A N N K K M </pre>
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CNTF Protein, Human (His) at 10 µg/mL (100 µl/well) can bind rat CNTFR-His and the EC ₅₀ is 60-140 ng/mL. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells and the ED ₅₀ is typically 1-4 µg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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