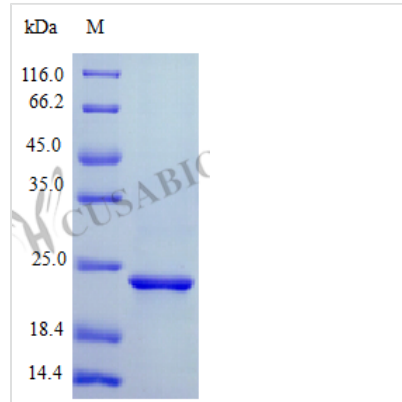




# Recombinant Human Ciliary neurotrophic factor protein (CNTF) (Active)

<b>Product Code</b>	CSB-AP002841HU
<b>Abbreviation</b>	Recombinant Human CNTF protein (Active)
<b>Uniprot No.</b>	P26441
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered PBS, pH 7.4
<b>Product Type</b>	Growth Factor
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 150 ng/ml, corresponding to a specific activity of >6.7x10 <sup>3</sup> IU/mg.
<b>Purity</b>	≥97% as determined by SDS-PAGE.
<b>Sequence</b>	MAFTEHSPLT PHRRDLCSRS IWLARKIRSD LTALTESYVK HQGLNKNINL DSADGMPVAS TDQWSELTEA ERLQENLQAY RTFHVLLARL LEDQQVHFTP TEGDFHQAIH TLLLQVAFA YQIEELMILL EYKIPRNEAD GMPINVDGG LFEKKLWGLK VLQELSQWTV RSIHDLRFIS SHQTGIPARG SHYIANNKKM
<b>Research Area</b>	Neuroscience?
<b>Source</b>	E.coli
<b>Target Names</b>	CNTF
<b>Expression Region</b>	1-200aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	22.9 kDa
<b>Protein Length</b>	Full Length
<b>PubMed ID</b>	1861138; 1915374; 1840538; 1883844; 8075647; 14702039; 15489334; 7796798; 10391209

Image

**Endotoxin**

Less than 1.0 EU/ $\mu$ g as determined by LAL method.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . The shelf life of lyophilized form is 12 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ .