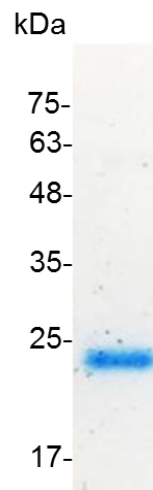


**CNTF (Ciliary neurotrophic factor), Mouse**

v. 231101

<b>Catalog number</b>	C02088-5UG / C02088-20UG / C02088-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	The ciliary neurotrophic factor is a protein that in humans is encoded by the CNTF gene. It is a hypothalamic neuropeptide that is a potent survival factor for neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. CNTF has also been shown to be expressed by cells on the bone surface and to reduce the activity of bone-forming cells (osteoblasts)
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MAFAEQSPLTLHRRDLCSRSIWLARKIRSDLTALMESYVKHQGLNKNISLDSVD GVPVASTDRWSEMTEAERLQENLQAYRTFQGMLTKLLEDQQRVHFTPTTEGDFH QAIHTLTLQVSAFAYQLEELMALLEQKVPEKEADGMPVTIGDGGFLFEKKLWGLK VLQELSQWTVRSIHDLRVISSHHMGISAHESHYGAQM with polyhistidine tag at the Cterminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce proliferation in TF-1 cells. The ED <sub>50</sub> for this effect is <10 ng/mL. The specific activity of recombinant mouse CNTF is > 1 x 10 <sup>5</sup> IU/mg.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	This product is stable after storage at: <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant mouse CNTF

*For Research Use Only.*