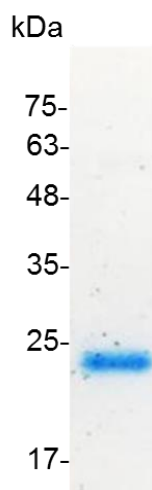


PRODUCT INFORMATION

CNTF (Ciliary neurotrophic factor), Mouse

Catalog number	C02088-5UG / C02088-20UG / C02088-100UG
Package	5 µg / 20 µg / 100 µg
Description	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)
Source	<i>Escherichia coli</i>
Sequence	MAFAEQSPLTLHRRDLCSRSIWLARKIRSDLTALMESYVKHQGLNKNISLDSVD GVPVASTDRWSEMTEAERLQENLQAYRTFQGMLTKLLEDQRVHFTPTGEGDFH QAIHTLTLQVSAFAYQLEELMALLEQKVPEKEADGMPVTIGDGGLFEKKLWGLK VLQELSQWTVRSIHDLRVISSHHMGISAHESHYGAQM with polyhistidine tag at the Cterminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce proliferation in TF-1 cells. The ED ₅₀ for this effect is <10 ng/mL. The specific activity of recombinant mouse CNTF is > 1 x 10 ⁵ IU/mg.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse CNTF

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