

Active Recombinant Mouse CNTF Protein, His-tagged

Cat. No. CNTF-995M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CNTF (NP_740756.1) (Ala2-Met198) was expressed with a polyhistidine tag at the N-terminus.
Species	Mouse
Source	E.coli
ProteinLength	2-198 a.a.
Predicted N Terminal	His
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized mouse CNTF at 10 µg/ml (100 µl/well) can bind biotinylated rat CNTFR-His. The EC50 of biotinylated rat CNTFR-His is 5-12 ng/ml. 2. Measured in a cell proliferation assay using TF-1 human
Molecular Mass	The recombinant mouse CNTF consists of 215 amino acids and predicts a molecular mass of 24.7 KDa. It migrates as an approximately 25 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	Cntf ciliary neurotrophic factor [Mus musculus]
Official Symbol	CNTF
Synonyms	CNTF; ciliary neurotrophic factor; AI429687; MGC41235;
Gene ID	12803
mRNA Refseq	NM_170786
Protein Refseq	NP_740756
MIM	
UniProt ID	
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT
Function	ciliary neurotrophic factor receptor binding; cytokine activity; growth factor activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

interleukin-6 receptor binding;

☎ Tel: 1-631-559-9269 1-516-512-3133

☎ Email: info@creative-biomart.com ☎ Fax: 1-631-938-8127

☎ 45-1 Ramsey Road, Shirley, NY 11967, USA