

CNTF, rat recombinant protein
HCNTF, CNTF, Ciliary Neurotrophic Factor.
Catalog # PBV10049r**Specification****CNTF, rat recombinant protein - Product info**

Primary Accession [P26441](#)
Calculated MW **22.834 kDa KDa**

CNTF, rat recombinant protein - Additional Info

Gene ID	1270
Gene Symbol	CNTF
Other Names	
HCNTF, CNTF, Ciliary Neurotrophic Factor.	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥99%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	AFAEQTPLTLHRRDLSSRSIWLARKIRSDLTAL MESYVKHQGLNKNINLDSVDGVPVASTDRWSE MTEAERLQENLQAYRTFQGMLTKLLEDQRVHF TPTEGDFHQAIHTLMLQVSAFAYQLEELMVLE QKIPENEADGMPATVGDGGLFEKKLWGLKVLQ ELSQWTVRSIHDLRVISSHQMGISALESHYGAK DKQM

Target/Specificity
CNTF

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile ddH₂O or 0.4 % NaHCO₃ adjusted to pH 8-9 to a concentration ≥ 100 µg/ml. This solution can then be diluted into other aqueous buffer, preferably in the presence of carrier protein.

Format

Lyophilized protein

Storage

-20°C; Lyophilized from 0.025 % NaHCO₃

CNTF, rat recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CNTF, rat recombinant protein - Images**CNTF, rat recombinant protein - Background**

CNTF is a polypeptide hormone whose actions appear to be restricted to the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. The protein is a potent survival factor for neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. A mutation in this gene, which results in aberrant splicing, leads to ciliary neurotrophic factor deficiency, but this phenotype is not causally related to neurologic disease. CNTF is a survival factor for various neuronal cell types and seems to prevent the degeneration of motor axons after axotomy. CNTF Recombinant Rat produced in E.Coli is a single, non-glycosylated polypeptide chain containing 200 amino acids and having a molecular mass of 22834 Dalton. The CNTF is purified by proprietary chromatographic techniques.

CNTF, rat recombinant protein - References

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Lam A.,et al.Gene 102:271-276(1991).
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Takahashi R.,et al.Nat. Genet. 7:79-84(1994).