

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 TPTEGDFHQAIHTLMLQVSAFAYQLEELMVLLE 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 \geq 100 µg/ml. This solution can then be diluted into other aqueous buffer, preferably in the presence of carrier protein.

Format

Lyophilized protein

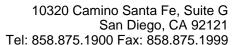
Storage

-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 Cytomety
- 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

Masiakowski P.,et al.J. Neurochem. 57:1003-1012(1991). Negro A.,et al.Eur. J. Biochem. 201:289-294(1991). Lam A.,et al.Gene 102:271-276(1991). McDonald J.R.,et al.Biochim. Biophys. Acta 1090:70-80(1991). Takahashi R.,et al.Nat. Genet. 7:79-84(1994).