



YB90021Ra01

Ciliary Neurotrophic Factor (CNTF)

Organism: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

1th Edition (Revised in February, 2012)

[DESCRIPTION]

Protein Names: Ciliary Neurotrophic Factor

Gene Names: CNTF

Size: 100µg

Source: Recombinant

Expression Host: *E.coli*

Function: CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy.

Subcellular Location: Cytoplasm.

Tissue Specificity: Nervous system.

[PROPERTIES]

Residues: Ala2~Met200 (Accession # P20294), with a N-terminal His-tag.

Grade & Purity: >97%, 26.27 kDa as determined by SDS-PAGE reducing conditions.

Form & Buffer: Supplied as lyophilized form in PBS, pH 7.4.

Endotoxin Level: <1.0 EU per 1µg(determined by the LAL method).

Applications: SDS-PAGE; WB; ELISA;IP.

(May be suitable for use in other assays to be determined by the end user.)

Predicted Molecular Mass: 26.27 kDa



[PREPARATION]

Reconstitute in PBS.

[STORAGE AND STABILITY]

Storage: Store at 4°C for short term storage (1-2 weeks). Aliquot and store at -20°C or -80°C for long term storage. Avoid repeated freeze/thaw cycles.

Valid period: 12 months stored at -80°C.

[BACKGROUND]

The target protein is fused with a His-tag and its sequence is listed below.

MGSSHHHHHSSGLVPRGSHMASMTGGQQMGRGS-

AFAEQTPLTLHRRDLCRSIWLARKIRSDLTALMESYVKHQGLNKNINLDSVDGVPVASTDRWSEMTEAERLQEN

LQAYRTFQGMLTKLLEDQRVHFTPTEGDFHQAIHTLMLQVSAFAYQLEELMVLEQKIPENEADGMPATVGDGGL

FEKKLWGLKVLQELSQWTVRSIHDLRVISSHQMGISALESHYGAKDKQM

[REFERENCES]

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