

Rat CNTF Recombinant Protein



RPPB0131

Product Information Protein Information

Product SKU:

RPPB0131

Accession:

P20294

Host:

Escherichia Coli.

Protein description:

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

HCNTF, CNTF, Ciliary Neurotrophic Factor.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution in water containing 0.025% NaHCO₃.

Purity:

Greater than 99.0% as determined by:(a) Analysis by Gel Filtration.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized CNTF in sterile water or 0.4% NaHCO₃ adjusted to pH 8-9, not less than 100µg/ml, which can then be further diluted to other aqueous solutions, preferably in presence of carrier protein.

Stability:

Lyophilized CNTF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CNTF should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

AFAEQTPLTL

HRRDLSSRSIWLARKIRSDLTALMESYVKHQGLNKNINLDSVDGVPVASTDRWSEMTEAERLQENLQAYRTFQGM

LTKLLEDQRVHFPTTEGDFHQAIHTLMLQVSAFAYQLEELMVLLLEQKIPENEADGMPATVGDGGLFEKKLWGLKVL

QELSQWTVRSIHDLRVISSHQMGISALESHYGAKDKQM.

Biological Activity:

Fully biologically active by its ability to phosphorylate STAT3 in several cells lines.