DATASHEET
Version 20181206

CNTF, Mouse

Cat. No.: Z03312-50

Size: 50.0 ug

Synonyms: Ciliary Neurotrophic Factor

Description:

Ciliary Neurotrophic Factor (CNTF) is a polypeptide hormone which acts within the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. CNTF is a potent survival factor for neurons and oligodendrocytes and may play a role in reducing tissue damage during increased inflammation. A mutation in this gene, which results in aberrant splicing, leads to ciliary neurotrophic factor deficiency, however this phenotype is not causally related to neurologic disease.
Recombinant Mouse CNTF produced in *E. coli* is a single, non-glycosylated polypeptide chain of 197 amino acids and a molecular mass of 22.6 kDa. It has been purified by chromatographic techniques.

Source: *E. coli*

Biological Activity: ED_{50} < 30ng/ml, measured by its ability to induce alkaline phosphatase production byTF-1 Cells.

Molecular Weight: 22.6 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS

Reconstitution: Reconstituted in ddH_2O at 100 µg/ml.

Purity: > 95% as analyzed by SDS-PAGE.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Mouse CNTF remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Mouse CNTF should be stable up to 1 week at 4°C or up to 3 months at -20°C.

GenScript USA, Inc.
860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-877-436-7274; 1-732-885-9188