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Ciliary Neurotrophic Factor (CNTF), Mouse

Cat.no. PK0319

Product size: 10ug 50ug 1mg
Source: E. coli
Species: Mouse

Biological Activity: ED50 < 30 ng/ml, measured by its ability to induce alkaline phosphatase production by TF-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% by SDS-PAGE analyses.

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.

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.

Amino Acid Sequence:
Ala2-Met198 (accession #: P51642)

Synonyms: Ciliary Neurotrophic Factor

Note： For research use only, not for use in diagnostic procedure.