

Recombinant Human CNTF

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|--------------|--|--------|
| CATALOG #: | 4017-20 | 20 µg |
| | 4017-100 | 100 µg |
| | 4017-1000 | 1 mg |
| LOT #: | | |
| SOURCE: | <i>E. coli</i> | |
| PURITY: | >98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of CNTF. | |
| MOL. WEIGHT: | 22.9 kDa | |
| FORM: | Sterile filtered and lyophilized without additives | |

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 5 mM Sodium Phosphate, pH 7.5 to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized CNTF is best-stored desiccated below 0°C. Reconstituted CNTF should be stored at working aliquots at -20°C.

DESCRIPTION:

CNTF (Ciliary Neurotrophic Factor) is a potent neural factor that was originally characterized as a survivability factor for chick ciliary neurons *in vitro*. CNTF has also been shown to promote survivability and differentiation of other neuronal cell types. Recombinant human CNTF is a 22.9 kDa protein containing 200 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent proliferation of human TF-1 cells is ≤ 2 ng/ml, corresponding to a specific activity of ≥ 5 x 10⁵ units/mg.

FOR RESEARCH USE ONLY! Not to be used in humans.

RELATED PRODUCTS:

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- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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