

Recombinant Human NT-3

CATALOG #:	4306-10	10 µg
	4306-50	50 µg
	4306-1000	1 mg
LOT #:	<hr/>	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is less than 0.1 ng per µg (1EU/µg)	
FORM:	Sterile filtered and lyophilized with no additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml.

STORAGE CONDITIONS:

The lyophilized human NT-3 is best-stored desiccated below 0°C. Reconstituted human NT-3 can be stored at 4°C for 1 week or stored in working aliquots at -20°C for future use. For long term storage it is recommended to add a carrier protein (0.1% HAS or BSA). Avoid freeze/thaw cycles.

DESCRIPTION:

NT-3 is a potent neurotrophic factor that supports the growth and survivability of nerve and/or glial cells. The active form of human NT-3 is a dimer, formed by two identical 119 amino acid subunits, which is held together by strong hydrophobic interactions. The molecular mass is 13.6 kDa.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent induction of choline acetyl transferase activity in rat basal forebrain primary septal cell cultures was found to be in the range of 20-50 ng/ml.

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

RELATED PRODUCTS:

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- 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

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