

Recombinant Murine NT-3

CATALOG #:	4307-10	10 µg
	4307-50	50 µg
	4307-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>97% by SDS-PAGE and HPLC analyses Endotoxin level is less than 0.1 ng per µg (1EU/µg)	
FORM:	Sterile filtered and lyophilized powder	
SYNONYMS:	Neurotrophic factor, Nerve growth factor-2, NGF-2, HDNF, NT-3, Neurotrophin-3, Ntf3, Ntf-3, AI316846, AI835689, Nt3, NT 3.	

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 murine 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. Murine NT-3 produced from *E. coli* contains 119 amino acid and having a 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.

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