

RECOMBINANT HUMAN NEUROTROPHIN-3

CATALOG NUMBER:	GF031
LOT NUMBER:	
QUANTITY:	10 µg
DESCRIPTION:	NT-3 is a potent neurotrophic factor which supports the growth and survivability of nerve and/or glial cells. The active form of human NT-3 is a dimer, formed by two 13.6 kDa polypeptide monomers (240 total amino acid residues), which is held together by strong hydrophobic interactions.
SOURCE:	<i>E. coli</i>
PURITY:	Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin level is less than 0.1 ng per µg of NT-3.
ACTIVITY:	Millipore's human NT-3 is fully biologically active when compared to standards. The ED ₅₀ as determined by the dose-dependent induction of choline acetyl transferase activity in rat basal forebrain primary septal cultures was found to be ≤ 50 ng/mL.
APPLICATIONS:	Concentration range for most <i>in vitro</i> applications is 20-50 ng/mL. Responding cells are (partial list): Nerve, glial cells.
PRESENTATION:	Lyophilized protein with no additives.
STORAGE/HANDLING:	The lyophilized powder, though stable at room temperature, is best stored desiccated below 0°C. Reconstitute with sterile water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into water or other buffered solutions. Reconstituted NT-3 should be stored in undiluted aliquots at -20°C for up to 6 months.

For research use only; not for use as a diagnostic.

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