

Active Recombinant Human NTF3 Protein

Cat. No. NTF3-088H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NTF3 Protein (120 aa) without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a member of the neurotrophin family, that controls survival and differentiation of mammalian neurons. This protein is closely related to both nerve growth factor and brain-derived neurotrophic factor. It may be involved in the maintenance of the adult nervous system, and may affect development of neurons in the embryo when it is expressed in human placenta. NTF3-deficient mice generated by gene targeting display severe movement defects of the limbs. The mature peptide of this protein is identical in all mammals examined including human, pig, rat and mouse.
Bio-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 in the range of 20-50 ng/mL, corresponding to a specific activity of 2-5 x 10 ⁴ units/mg.
Molecular Mass	13.6 kD as monomer, 26.5 kD as dimer
Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage At -80 centigrade. Avoid repeated freeze-thaw cycles.

Storage Buffer PBS

GENE INFORMATION

Gene Name NTF3 neurotrophin 3 [Homo sapiens (human)]

Official Symbol NTF3

Synonyms NTF3; neurotrophin 3; NT3; HDNF; NGF2; NT-3; NGF-2; neurotrophin-3; Names; nerve growth factor 2; neurotrophic factor

Gene ID 4908

mRNA Refseq NM_002527

Protein Refseq NP_002518

MIM 162660

UniProt ID P20783

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