

Active Recombinant Human NTF4 Protein

Cat. No. NTF4-089H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NTF4 Protein (130 aa) without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene is a member of a family of neurotrophic factors, neurotrophins, that control survival and differentiation of mammalian neurons. The expression of this gene is ubiquitous and less influenced by environmental signals. While knock-outs of other neurotrophins including nerve growth factor, brain-derived neurotrophic factor, and neurotrophin 3 prove lethal during early postnatal development, NTF5-deficient mice only show minor cellular deficits and develop normally to adulthood.
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	14 kD as monomer, 28 kD as dimer
Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.

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Storage Buffer PBS

GENE INFORMATION

Gene Name [NTF4 neurotrophin 4 \[Homo sapiens \(human\) \]](#)

Official Symbol [NTF4](#)

Synonyms NTF4; neurotrophin 4; NT4; NT5; NT-4; NT-5; NTF5; GLC10; GLC1O; NT-4/5; neurotrophin-4; Names; neurotrophic factor 4; neurotrophic factor 5; neurotrophin 5 (neurotrophin 4/5); neurotrophin-5; neutrophic factor 4

Gene ID [4909](#)

mRNA Refseq [NM_006179](#)

Protein Refseq [NP_006170](#)

MIM [162662](#)

UniProt ID [P34130](#)

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