

The neurotrophin-3 and p75NTR symmetrical

Cat. No. CBCRY18 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Source	E.coli
Background	Neurotrophins (NTs) are important regulators for the survival, differentiation and maintenance of different peripheral and central neurons. NTs bind to two distinct classes of glycosylated receptor: the p75 neurotrophin receptor (p75(NTR)) and tyrosine kinase receptors (Trks). Whereas p75(NTR) binds to all NTs, the Trk subtypes are specific for each NT.
Protein Classification	signaling protein
Structure Weight	63861.22
Polymer	1
Molecule	Neurotrophin-3
Chain Length	119 amino acids
PDB ID	3BUK
MMDB ID	65479
Method	X-Ray Diffraction

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Resolution	2.6Å
Ligand Chemical Component	N-Acetyl-D-Glucosamine
Reference	Gong, Y., Cao, P., Yu, H.J., Jiang, T.(2008) Crystal structure of the neurotrophin-3 and p75NTR symmetrical complex.Nature454: 789-793

GENE INFORMATION

Gene Name	NTF3
Synonyms	HDNF; MGC129711; NGF-2; NGF2; NT3; Nerve growth factor 2; neurotrophic factor; neurotrophin 3
UniProt ID	P20783
Chromosome Location	12p13
Function	growth factor activity; nerve growth factor binding; neurotrophin receptor binding
Gene ID	4804

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