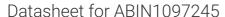
# antibodies - online.com







# **Neurotrophin 3 Protein (NTF3) (AA 139-257)**



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Quantity:	50 μg
Target:	Neurotrophin 3 (NTF3)
Protein Characteristics:	AA 139-257
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

#### **Product Details**

Purpose:	Recombinant Human Neurotrophin-3/NT3	
Sequence:	YAEHKSHRGE YSVCDSESLW VTDKSSAIDI RGHQVTVLGE IKTGNSPVKQ YFYETRCKEA RPVKNGCRGI DDKHWNSQCK TSQTYVRALT SENNKLVGWR WIRIDTSCVC ALSRKIGRT	
Characteristics:	Recombinant Human Neurotrophin-3/NT3	
Purity:	> 95 % as determined by reducing SDS-PAGE.	
Sterility:	0.2 μm filtered	
Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test	

#### **Target Details**

Target:	Neurotrophin 3 (NTF3)	
Alternative Name:	Neurotrophin-3/NT3 (NTF3 Products)	
Background:	Recombinant Human Neurotrophin-3/NT3 produced in E. coli is a single non-glycosylated	

polypeptide chain containing 119 AAs with a molecular mass of 13.6 kDa.
Neurotrophin-3 (NT-3) is a member of the NGF family of neurotrophic factors and is structurally
related to $\beta$ -NGF, BDNF and NT-4. The NT3 cDNA encodes a 257 AA residue precursor protein
with a signal peptide and a proprotein that are cleaved to yield the 119 AA residue mature
NT3.The AA sequences of mature human, murine and rat NT-3 are identical. NT-3 selectively
promotes the differentiation and survival of specific neuronal subpopulations in both the central

Molecular Weight:	13.6 kDa	
UniProt:	P20783	
Pathways:	RTK Signaling, Neurotrophin Signaling Pathway	

as well as the peripheral nervous systems.

## **Application Details**

For Research Use only
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## Handling

Format:	Lyophilized	
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 $\mu g/mL$ .	
	Dissolve the lyophilized protein in ddH2O.	
	Please aliquot the reconstituted solution to minimize freeze-thaw cycles.	
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 250 mM NaCl, pH 7.2.	
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.	
Storage:	4 °C/-20 °C/-80 °C	
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.	
	Reconstituted protein solution can be stored at 4-7°C for 2-7 days.	
	Aliquots of reconstituted samples are stable at < -20°C for 3 months.	