

Active Recombinant Human NTF4

Cat. No. NTF4-013H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NTF4 (P34130) full-length recombinant protein expressed in Escherichia coli.
Species	Human
Source	Human
Description	Neurotrophin-4 (NT-4), also known as neurotrophin-5 (NT-5), is a protein that in humans is encoded by the NTF4 gene. NT-4 is a neurotrophic factor that signals predominantly through the TrkB receptor tyrosine kinase.
Sequence	GVSETAPASR RGELAVCDAV SGWVTDRRTA VDLRGREVEV LGEVPAAGGS PLRQYFFETR CKADNAEEGG PGAGGGGCRG VDRRHWVSEC KAKQSYVRAL TADAQGRVGW RWIRIDTACV CTLLSRTGRA
Form	Lyophilized
Preparation Method	Escherichia coli expression system
Purity	μ 98% by SDS-PAGE, μ 98% by HPLC
Endotoxin Level	< 0.1 ng/ug
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..

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Application	SDS-PAGE
Storage	Store at -20°C on dry atmosphere. After reconstitution with deionized water, store at -20°C. Aliquot to avoid repeated freezing and thawing.
Unitprot ID	P34130
Pathways	MAPK signaling pathway; Neurotrophin signaling pathway
GENE INFORMATION	
Gene Name	NTF4 neurotrophin 4 [Homo sapiens]
Official Symbol	NTF4
Synonyms	NTF4; NT4; NT-4; NT5; NT-5; NTF5; GLC10; NT-4/5; neurotrophin 5; neurotrophic factor 4; Neurotrophic factor 4; neurotrophic 4; neurotrophic factor 5; neurotrophin 5 (neurotrophin 4/5)
Gene ID	4909
mRNA Refseq	NM_006179
Protein Refseq	NP_006170
MIM	162662
Function	growth factor activity