

## Product datasheet

# Recombinant human NT-4 protein (Animal Free) ab217475

### Description

<b>Product name</b>	Recombinant human NT-4 protein (Animal Free)	
<b>Biological activity</b>	The ED <sub>50</sub> 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.	
<b>Purity</b>	> 98 % SDS-PAGE. ab217475 is greater than 98% pure as assessed by SDS-PAGE gel and HPLC analyses.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P34130</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	Yes	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	GVSETAPASR RGELAVCDAV SGWVTDRRTA VDLRGREVEV LGEVPAAGGS PLRQYFFETR CKADNAEEGG PGAGGGGCRG VDRRHVWSEC KAKQSYVRAL TADAQGRVGW RWIRDTACV CTLLSRTGRA	
<b>Predicted molecular weight</b>	14 kDa	
<b>Amino acids</b>	81 to 210	
<b>Additional sequence information</b>	Full length mature noncovalently linked homodimer protein	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab217475** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	HPLC Functional Studies SDS-PAGE
<b>Form</b>	Lyophilised
<b>Additional notes</b>	Manufactured using all Animal-Free reagents.

Previously labelled as Neurotrophin 4.

## Preparation and Storage

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### Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

### Reconstitution

For lot specific reconstitution information please contact our Scientific Support Team.

## General Info

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### Function

Target-derived survival factor for peripheral sensory sympathetic neurons.

### Tissue specificity

Highest levels in prostate, lower levels in thymus, placenta, and skeletal muscle. Expressed in embryonic and adult tissues.

### Involvement in disease

Defects in NTF4 may be associated with susceptibility to primary open angle glaucoma type 10 (GLC10) [MIM:613100]. A form of primary open angle glaucoma (POAG). POAG is characterized by a specific pattern of optic nerve and visual field defects. The angle of the anterior chamber of the eye is open, and usually the intraocular pressure is increased. The disease is asymptomatic until the late stages, by which time significant and irreversible optic nerve damage has already taken place.

### Sequence similarities

Belongs to the NGF-beta family.

### Cellular localization

Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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