

## Product datasheet

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

### Description

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<b>Product name</b>	Recombinant human NT-4 protein (Animal Free)
<b>Biological activity</b>	Determined by its ability to bind recombinant human TrkB Fc Chimera in a functional ELISA.
<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>	<b><u>P34130</u></b>
<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 SGWVTD RRTA VDLRGREVEV LGEVPAAGGS PLRQYFFETR CKADNAEEGG PGAGGGGCRG VDRRHVVSEC KAKQSYVRAL TADAQGRVGV RWIRIDTACV 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

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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>	Lyophilized
<b>Additional notes</b>	Manufactured using all Animal-Free reagents. Previously labelled as Neurotrophin 4.

## Preparation and Storage

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<b>Stability and Storage</b>	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.
<b>Reconstitution</b>	For lot specific reconstitution information please contact our Scientific Support Team.

## General Info

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<b>Function</b>	Target-derived survival factor for peripheral sensory sympathetic neurons.
<b>Tissue specificity</b>	Highest levels in prostate, lower levels in thymus, placenta, and skeletal muscle. Expressed in embryonic and adult tissues.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the NGF-beta family.
<b>Cellular localization</b>	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
- We investigate all quality concerns to ensure our products perform to the highest standards

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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