

## Product datasheet

# Recombinant human Neurotrophin 3 protein (Animal Free) ab217474

### Description

<b>Product name</b>	Recombinant human Neurotrophin 3 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. > 98 % HPLC.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P20783</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	Yes	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MYAEHKSHRG EYSVCDSESL WVTDKSSAID IRGHQVTVLG EIKTGNSPVK QYFYETRCKE ARPVKNGCRG IDDKHWNSQC KTSQTYVRAL TSENNKLVGW RWIRIDTSCV CALSRKIGRT	
<b>Predicted molecular weight</b>	14 kDa	
<b>Amino acids</b>	139 to 257	
<b>Additional sequence information</b>	This product is for the mature full length protein. The signal peptide and propeptide are not included.	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab217474** 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>	SDS-PAGE HPLC Functional Studies
<b>Form</b>	Lyophilized

### 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>	Seems to promote the survival of visceral and proprioceptive sensory neurons.
<b>Tissue specificity</b>	Brain and peripheral tissues.
<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.

## Terms and conditions

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