

## Product datasheet

# Recombinant rat CNTF protein ab123755

### Overview

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<b>Product name</b>	Recombinant rat CNTF protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli

### Amino Acid Sequence

<b>Accession</b>	<a href="#">P20294</a>
<b>Species</b>	Rat
<b>Sequence</b>	AFAEQTPLTLHRRDLSSRSIWLARKIRSDLTALMESYVKHQGLNKNINLD SVDGVPVASTDRWSEMTEAERLQENLQAYRTFQGMLTKLLEDQQRVHFTPT EGDFHQAIHTLMLQVSAFAYQLEELMVLLEQKIPENEADGMPATVGDGGL FEKKLWGLKVLQELSQWTVRSIHDLRVISSHQMGISALESHYGAKDKQM
<b>Molecular weight</b>	23 kDa
<b>Amino acids</b>	2 to 200

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab123755** in the following tested applications.

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

<b>Biological activity</b>	Fully biologically active by its ability to phosphorylate STAT3 in several cells lines.
<b>Applications</b>	SDS-PAGE
<b>Purity</b>	> 95 % SDS-PAGE. ab123755 is purified by proprietary chromatographic techniques. Purity by SDS-PAGE and gel filtration is greater than 99%.
<b>Form</b>	Lyophilised

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C.
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Constituent: 0.025% Sodium carbonate

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

## Reconstitution

Centrifuge the vial prior to opening. Reconstitute in sterile ddH<sub>2</sub>O or 0.4 % NaHCO<sub>3</sub> adjusted to pH 8-9 to a concentration of 100 µg/ml. This solution can then be diluted into other aqueous buffer, preferably in the presence of carrier protein. Reconstituted CNTF should be stored at 4°C for 2-7 days and as working aliquots at -20°C for future use. Avoid freeze/thaw cycles.

## General Info

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<b>Function</b>	CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy.
<b>Tissue specificity</b>	Nervous system.
<b>Sequence similarities</b>	Belongs to the CNTF family.
<b>Cellular localization</b>	Cytoplasm.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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- We provide support in Chinese, English, French, German, Japanese and Spanish
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