

Product datasheet

Recombinant rat CNTF protein ab202798

Description

Product name	Recombinant rat CNTF protein	
Biological activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cell proliferation assay using Human TF-1 cells is less than 30 ng/mL, corresponding to a specific activity of > 3.3 × 10 ⁴ IU/mg.	
Purity	> 95 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	P20294	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Rat	
Sequence	AFAEQTPLTLHRRDLCSRSIWLARKIRSDLTALMESYVKHQ GLNKNINLD SVDGVPVASTDRWSEMTEAERLQENLQAYRTFQGMLTKL LEDQRVHFTPT EGDHFQAIHTLMLQVSAFAYQLEELMVLLEQKIPENEADG MPATVGDGGL FEKKLWGLKVLQELSQWTVRSIHDLRVISSHQMGISALES HYGAKDKQM	
Predicted molecular weight	23 kDa	
Amino acids	2 to 200	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab202798** in the following tested applications.

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

Applications	HPLC
	SDS-PAGE
	Functional Studies
Form	Lyophilized

Preparation and Storage

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.

pH: 7.40

Constituents: 2% Trehalose, 97% PBS

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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

General Info

Function

CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy.

Tissue specificity

Nervous system.

Sequence similarities

Belongs to the CNTF family.

Cellular localization

Cytoplasm.

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

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- Replacement or refund for products not performing as stated on the datasheet
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