

Product datasheet

Recombinant rat CNTF protein ab123755

Overview

Product name	Recombinant rat CNTF protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession	P20294
Species	Rat
Sequence	AFAEQTPLTLHRRDLSSRSIWLARKIRSDLTALMESYVKHQGLNKNINLD SVDGVPVASTDRWSEMTEAERLQENLQAYRTFQGMLTKLLEDQQRVHFTPT EGDFHQAIHTLMLQVSAFAYQLEELMVLLLEQKIPENEADGMPATVGDGGL FEKKLWGLKVLQELSQWTVRSIHDLRVISSHQMGISALESHYGAKDKQM
Molecular weight	23 kDa
Amino acids	2 to 200

Specifications

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.

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

Preparation and Storage

Stability and Storage	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 ddH₂O or 0.4 % NaHCO₃ 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

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 AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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