

Datasheet: PHP173

Description:	RECOMBINANT HUMAN CNTF
Name:	CNTF
Other names:	CILIARY NEUROTROPHIC FACTOR
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	20 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			50 - 150ng/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 0.2 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For extended storage, the addition of 0.1% bovine serum albumin (BSA) is recommended.
Preparation	Purified recombinant CTNF expressed in <i>E. Coli</i>
Buffer Solution	10mM Citric Acid + 75mM NaCl
Preservative Stabilisers	None present
Carrier Free	Yes

Endotoxin Level < 1.0 EU/ug

Approx. Protein Concentrations 0.1 mg/ml after reconstitution

External Database Links

UniProt:

[P26441](#) [Related reagents](#)

Entrez Gene:

[1270](#) CNTF [Related reagents](#)

Product Information **Recombinant Human CNTF** is a 199 amino acid, *Escherichia coli*-derived recombinant protein corresponding to mature human ciliary neurotrophic factor (CNTF), a survival factor for various neuronal cell types believed to prevent the degeneration of motor axons after axotomy.

Protein Molecular Weight 22.7 kDa

Activity The ED₅₀ as determined by the dose-dependent proliferation of human TF-1 cells is 50-150ng/ml.

Purity >98% by SDS PAGE/HPLC

ELISA Recombinant human CNTF may be used as a standard for ELISA applications with [purified human CNTF antibody](#) (AHP1277).

Western Blotting Recombinant human CNTF may be used as the positive control for Western Blotting applications with [purified human CNTF antibody](#) (AHP1277).

Storage Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

Health And Safety Information Material Safety Datasheet documentation #10527 available at: 10527: <https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf>

Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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