

Datasheet: PRP26

Description:	RECOMBINANT RAT CNTF
Name:	CNTF
Other names:	CILIARY NEUROTROPHIC FACTOR
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	25 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	▪			

Where this protein 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 protein for use in their own system using appropriate positive/negative controls.

Target Species	Rat
Product Form	Purified recombinant protein - lyophilised
Reconstitution	Centrifuge vial prior to opening. Reconstitute with 25ul of 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. DO NOT VORTEX.
Preparation	Sterile filtered through a 0.2 micron filter, lyophilised from 5mM Sodium Acetate pH 6.5
Preservative Stabilisers	None present
Endotoxin Level	<0.1ng/ug
Approx. Protein	1.0 mg/ml

Concentrations

External Database Links

UniProt:

[P20294](#) [Related reagents](#)

Entrez Gene:

[25707](#) Cntf [Related reagents](#)

Product Information **Recombinant rat ciliary neurotrophic factor** prepared from *E. coli*.

ciliary neurotrophic factor (CNTF) is a neuroregulatory cytokine found primarily in peripheral nerve tissue. CNTF promotes survival and differentiation of neurons and other neuronal cell types.

Protein Molecular Weight

22.7 kDa (199 amino acid sequence)

Activity

Determined by its ability to stimulate the proliferation of human TF-1 cells using a concentration range of 25.0 - 35.0 ng/ml

Purity

>98% by SDS PAGE and HPLC analysis

ELISA

PRP26 may be used in ELISA applications with [AAR21](#).

Western Blotting

PRP26 may be used in Western blotting applications with [AAR21](#).

References

1. Müller, A. *et al.* (2007) Astrocyte-derived CNTF switches mature RGCs to a regenerative state following inflammatory stimulation. [Brain. 130: 3308-20.](#)
 2. Kornfeld, S.F. *et al.* (2016) Cytoskeletal Linker Protein Dystonin Is Not Critical to Terminal Oligodendrocyte Differentiation or CNS Myelination. [PLoS One. 11 \(2\): e0149201.](#)
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Storage

Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

3 months from date of reconstitution.

Health And Safety Information

Material Safety Datasheet documentation #10268 available at: 10268: <https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf>

Regulatory

For research purposes only

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