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 *E. Coli*
Source	E.coli
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 neutotrophic factor (CTNF), 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 ED_{50} 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: https://www.bio-rad-antibodies.com/SDS/PHP173 10527
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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