

Catalog Number: HZ-1331

Data Sheet

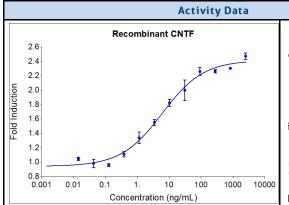


HumanKine® recombinant human CNTF protein

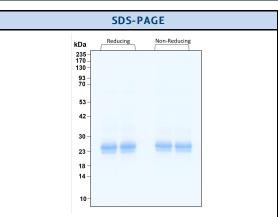
Animal Component-Free Human cell expressed Tag-Free Endotoxin Free

Product Description				
Alternative Names	Ciliary Neurotrophic Factor			
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived CNTF protein			
Species Reactivity	human			

Specifications					
Test	Method	Specification			
Activity	Dose-Dependent secretion of Haptoglobin in response to CNTF in HEPG2 Hepatocellular carcinoma cells in the presence of 100 ng/mL CNTFR	2.75-14 ng/mL			
Molecular Mass	SDS-PAGE	23-27 kDa reduced and non-reduced, monomer, non-glycosylated			
Purity	SDS-PAGE	>95%			
Endotoxin	LAL	<1 EU/µg			



Recombinant human CNTF (Cat no: HZ-1331) induces dose-dependent release of Heptoglobin in the HEPG2 hepatocellular carcinoma cell line in the presence of 200 ng/mL CNTFR. HEPG2 cells were treated with increasing concentration of recombinant CNTF for 16 hours before supernatant collection. The supernatant was tested for Haptoglobin via ELISA kit (KE00148). The EC50 was determined using



www.ptglab.com

Document #: FR-QA118-101 Rev 0
Data Sheet Version #:

Proteintech Group, Inc.

5500 Pearl Street, Suite 400 Rosemont, IL 60612 t: 1-888-478-4522; f: 1-312-455-8408 Email: proteintech@ptglab.com

Preparation				
Shipping Temperature ambient temperature				
Formulation	rmulation 1x PBS, See Certificate of Analysis for details			
Reconstitution Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1x PBS pH 7.4 containing endotoxin-free recombinant human serum albumin (HSA). Gently swirl or tap vials to mix.				

Stability and Storage	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)	
	Lyophilized	-20°C to -80°C	Until Expiry Date	
	Lyophilized	Room Temperature	2 weeks	
	Reconstituted as per CofA	-20°C to -80°C	6 months	
	Reconstituted as per CofA	4°C	1 week	
	Avoid repeated freeze-thaw cycles.			

www.ptglab.com

Document #: FR-QA118-101 Rev 0 Data Sheet Version #: Proteintech Group, Inc.

5500 Pearl Street, Suite 400 Rosemont, IL 60612 t: 1-888-478-4522; f: 1-312-455-8408 Email: proteintech@ptglab.com