

Datasheet for ABIN6700905

CNTF Protein[Go to Product page](#)**1** Image

Overview

Quantity:	20 µg
Target:	CNTF
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Ciliary Neurotrophic Factor Recombinant Protein
Purification:	Ciliary Neurotrophic Factor purity was determined to be greater than 98% as determined by analysis by HpLC, UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Purity:	98,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the dose-dependent stimulation of TF-1 cells and is typically 0.1-0.6 ng/mL.

Target Details

Target:	CNTF
Alternative Name:	CNTF (CNTF Products)
Background:	Synonyms: None Background: Ciliary Neurotrophic Factor (CNTF) is a neurotrophic factor that promotes the

Target Details

survival of various neuronal cell types and may play an important role in the injury response in the nervous system. CNTF, like FGF acidic, FGF basic, and PD-ECGF (platelet-derived endothelial cell growth factor), does not possess a signal sequence that would allow secretion of the factor by classical secretion pathways (endoplasmatic reticulum/Golgi system), but the mechanism underlying the release of CNTF is unknown. Recombinant human CNTF is a non-glycosylated protein, contains 199 amino acids, with a molecular weight of 22.7 kDa.

UniProt: [P26441](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Application Notes: Application Note: Ciliary Neurotrophic Factor Recombinant Protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Ciliary Neurotrophic Factor in immunological assays.

Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution_Buffer: Restore with deionized water (or equivalent)
Reconstitution_Volume: 20 µL (20-200 µL)

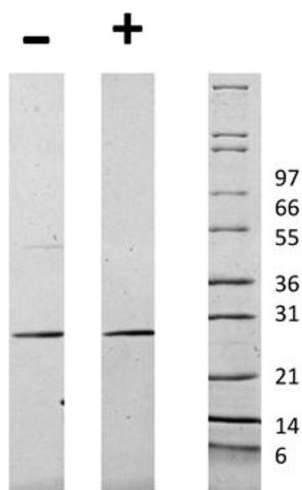
Buffer: Buffer: 0.01 M Sodium Phosphate, pH 7.5
Stabilizer: None

Preservative: Without preservative

Storage: 4 °C, -20 °C

Storage Comment: Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Expiry Date: 6 months



SDS-PAGE

Image 1. SDS-PAGE of Human Ciliary Neurotrophic Factor Recombinant Protein. Lane 1: 1 μ g Human CNTF in non-reducing conditions. Lane 2: 1 μ g Human CNTF in reducing conditions (+). Lane 3: Molecular weight marker. Human CNTF has a predicted MW of 22.7 kDa.