

Active Recombinant Human CTF1 Protein (201 aa)

Cat. No. CTF1-295C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CT-1 is a 21.1 kDa protein consisting of 200 amino acid residues. Biologically active human CT-1 is synthesized as a 201 amino acid polypeptide lacking a hydrophobic N-terminal secretion signal sequence.
Species	Human
Source	CHO
ProteinLength	201
Description	Cardiotrophin-1 (CT-1) is a member of the cytokine family which also includes IL-6, IL-11, I LIF, CNTF, OSM. CT-1 has since been shown to be a pleiotrophic cytokine with overlapping actions with other IL-6 family members on a variety of cell types.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 0.4 ng/mL, measured in a cell proliferation assay using TF-1 cells.
Molecular Mass	24~26kDa, observed by reducing SDS-PAGE.
AA Sequence	SRREGSLEDPQTDSSVSLLEAKIRQTHSLAHLTKYAEQLLQEYVQLQGDPFGL PSFSPRLPVAGLSAPAPSHAGLPVHERLRDLAAAALPPLLDVAVCRRQAELNPRA PRLRRLEDAARQARALGAAVEALLAALGAANRGPRAEPPAATASAASATGVFPAK VLGLRVCGLYREWLSRTEGDLGQLLPGGSA

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Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant Human Cardiotrophin-1(CT-1) remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human Cardiotrophin-1(CT-1) should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name	CTF1 cardiotrophin 1 [Homo sapiens]
Official Symbol	CTF1
Synonyms	CTF1; cardiotrophin 1; cardiotrophin-1; CT 1; CT1; cardiophin 1; CT-1;
Gene ID	1489
mRNA Refseq	NM_001142544
Protein Refseq	NP_001136016
MIM	600435
UniProt ID	Q16619

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