



Datasheet for ABIN2017710

Cardiotrophin 1 Protein (CTF1) (AA 2-201)

Overview

Quantity:	50 µg
Target:	Cardiotrophin 1 (CTF1)
Protein Characteristics:	AA 2-201
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 0.4 ng/mL, measured in a cell proliferation assay using TF-1 cells.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/μg, determined by LAL method.

Target Details

Target:	Cardiotrophin 1 (CTF1)
Alternative Name:	Cardiotrophin-1 (CT-1) (CTF1 Products)
Background:	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. Biologically active human CT-1 is synthesized as a 201 amino acid polypeptide lacking a hydrophobic N-terminal secretion signal sequence. Recombinant Human CT-1 is a 21.1 kDa protein consisting of 200 amino acid

Target Details

residues.

Synonyms: CT-1

Molecular Weight: 24-26kDa, observed by reducing SDS-PAGE.

UniProt: [Q16619](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant Human Cardiotrophin-1(CT-1) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human Cardiotrophin-1(CT-1) should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months