

Active Recombinant Human CTF1 protein(Ser2-Ala201)

Cat. No. CTF1-238H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTF1 (NP_001321.1) (Ser2-Ala201) was expressed in HEK293 with two additional amino acids (Gly & Pro) at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	Ser2-Ala201
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 2-10 ng/ml.
Molecular Mass	The recombinant human CTF1 comprises 202 amino acids and has a predicted molecular mass of 21.2 kDa. The apparent molecular mass of the protein is approximately 26.6 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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