

## Active Recombinant Human CTF1 protein(Ser2-Ala201)

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CTF1 (NP_001321.1) (Ser2-Ala201) was expressed in HEK293 with two additional amino acids (Gly & Pro) at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ser2-Ala201
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 2-10 ng/ml.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 85 % as determined by SDS-PAGE
<b>Storage</b>	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**

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

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